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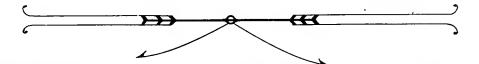
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FUNDAMENTAL PRINCIPLES.

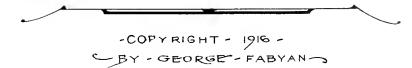


AND

- -APPLICATION-TO-BOOKS-OF-THE-
- -SIXTEENTH-AND-SEVENTEENTH-
- -CENTURIES-



-COMPILED-BY-CEORGE-FABYAN-



Kriton



Franciscus Bacon,

Ætatis suæ 18.

1578.

Engraved by M.H. Worthington, from a Miniature by Hillyard ...

London, Published by William Pukary, James Lone, 1825

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INTRODUCTION.

The various pages in this pertfolic have been assembled with the object of presenting to the student or to the inquirer the basic principles involved in the Baconian Bi-literal Cipher.

The cornerators of the foundation might well be Bacon's our examples.

They were given first in <u>De Augmentia Scientiarum</u> and the letters were in italia script. When italia type was first used for this purpose we do not know, but we find it in a vest pecket edition of <u>De Augmentia</u> published in 1662.

In 1640 Gilbert Wate issued the first English translation of <u>Do Augmentis</u>.

Many think it Bacon's original copy because we are teld the work was written in English and translated into Latin 'by the help of some good pens.' In this the examples are in Italia script like that in the early Latin editions.

(See pp. to)

A particularly fine and clear illustration is in James Spedding's translation of the work, and also in this Latin edition. These are shown in the second exhibit. (pp. to)

These six pages of introduction show comprehensively Bacon's own ideas of the mothod of using and the pessibilities involved in the Bi-literal Cipher, and the inquiring student is recommended to read them carefully at the outset, with a view to informing himself of the general principles that Bacon himself has given us on the subject.

In printed matter the Bi-literal Cipher, which might more correctly be termed the Bi-fermed Cipher, as its name implies, depends upon the use of two different, but closely similar forms or "fents" of type. For convenience these are termed the "a" form and the "b" form. The first step involves an examination of each letter to determine whether it belongs to the "a" form or the "b" form, and of writing beneath it the a or the b as determined by such an examination.



An Example of a Bi-literarie Alphabet,

Neither is it a finall matter these Cypher-Characters have, and may performe: For by this Art a way is opened, whereby a man may expresse and signifie the intentions of his minde, at any distance of place, by objects which may be presented to the eye, and accommodated to the eare: provided those objects be capable of a twofold difference onely; as by Bells, by Trumpets, by Lights and Torches, by the report of Muskets, and any instruments of like nature. But to pursue our enterprise, when you addresse your selfe to write, resolve your invented. I strop have the invented of the intention of this Bi-literarie Alphabet. Say the invented of the intention of the inte

F10.6.

Escample of Solution.

Labat Early, aska, aska,

OF LEARNING, LIB. VI.

Together worth this, you mult have ready at hand a Bi-formed Alphabet, which may reprefent all the Letters of the Commu Alphabet, as well Capitall Letters as the Smaller Characters in a double forme, as may fit every mans occation.

An Example of a Bi-formed Alphabet.

(I I a.b. a.b. a.b. a b.a b.a.b.a. b.a.b. (I I a.a. B. B. b. C. C.c. D. D. d.d.

(4. E.e.e. F. G.ff. G. G.g. S. J. B. R.h.

(5. S. i. K. S. & S. a. S. a.

(S. a. b. a.

(a. 6. a. 6.

TOgether
PHOLICEARPHED FINORM GRUBERT WATE EDITION OF LORD CROSSES ABLANDERS MIND SEADMING TO 1840

Now to the interiour letter, which is Biliterate, you shall fit a biformed exteriour letter, which shall answer the other, letter for letter, and afterwards fet it downe. Let the exteriour

Manere te volo, donec venero.

An Example of Accommodation.

Maner te volo donec benero a ababb aa b baa b baaa baa.

We have annext likewise a more ample example of the cypher of writing omnia per omnia: An interiour letter, which to expresse, we have made choice of a Spartan letter sent once in a Scytale or round cypher'd staffe.

esurinnt. Regue hinc nos extricargnegue Perditae Res. Mindanus cecidit. Milities hic diutius manere possumus. An exteriour letter, taken out of the first Episte of Giero, wherein a Spartan Letter is involved.

OF LEARNING, LIB.VE.

carteris satisfacio omnibus: Mihi ipsenun: ger eosdem creditores, per guos, cum tuadogui belint, qui panci sunt omnes ad Compe gionis calumniam, non religione, sed masudo tuorum erga me meritorum, vi quoni= am su, nisipersecta re, demenon conquies= sa hace sunt: Animonius Regis Legatus oum rem deferri volunt. Senatus Reli-Lego omni officio, acposius presais eryate. ti; ego, quianon idem in tua cansa esficio, quam satisfacio. Lanta est enim magni= pitam mish esse acerbam putem. Incau= aperte pecunia nos oppugnat. Resagitur ienolentia, etillius Acguac fargitionis ras, agebatur. Regis causa, si gni sunt,

LURD BAGOT! "ANYONE WENTIOF LED ANIMO" TOOR PHOTOGRAPHED FRUM GILBERT WAT'S EDITION OF

muidic comprehet. 80.

sunt: Ciphræ simplices; Ciphræ non-significantibus characteribus intermixtæ; Ciphræ duplices literas uno charactere complexæ; Ciphræ Rotæ; Ciphræ Clavis; Ciphræ Verborum; aliæ. Virtutes autem in Ciphris requirendæ tres sunt; ut sint expeditæ, non mimis operosæ ad scribendum; ut sint fidæ, et nullo modo pateant ad deciphrandum; addo denique, ut, si fieri possit, suspicione vacent. Si enim epistolæ in manus corum devenient qui in cos qui scribunt, aut ad quos scribuntur, potestatem habeant, tametsi Ciphra ipsa fida sit et deciphratu

would still be fire to change, and orthography would still follow; but the changes of pronunciation would still be fire to change, and orthography would still follow; but the changes of pronunciation would be tees rapid and exprictions, and the cerresponding changes of orthography would be not gradual but immediate. Pronunciation would change, not according to fishing no selection, but according to the laws of nature; and each change would be registered as it came in the printed records of the language. All this would surely be a great advantage, whether we regard language as a medium of communication, for which it serves best when it is most uniform and constant, or as a record of the progress of human thought, for which it serves the better in proportion as capricious and accidental changes are excluded and natural changes marked and registered.

Theon was probably thinking of some particular scheme proposed in his own day, in which the existing alphabet was to be used. Many such partial schemes of orthographical reform have been attempted from time to time, all of which may be justly condemned in a wayless subtilities," not because the thing aimed at — at sciliest stription prenameloidmi consons sid—would be useless if accomplished, but because, without such a reconstruction of the alphabet as should enable us to assign to each distinct sound a distinct character, he thing common be accomplished. With an alphabet of only twenty-six letters, it is impossible to make the spelling of English represent the protouncluston, hecause there are more than twenty-six distinct sounds used in English speech. It has recently been shown, however, that with an alphabet of only forty letters, every sound used in apeaking good English may be represented accurately enough for all practical purposes; and a few more would probably include all the sounds of all the classical languages in Europe.

Two or three alphabets of this kind have been suggested within the last hundred years. There was one proposed by Benjamin Franklin, another ty Dr. William Young, another by Sir John Herschell. But the first serious attempt to being such an alphabet into general ass, and fairly to meet and overcome all the practical such an all the therretteal difficulties, was made by Mr. Alexander Ellis and Mr. Issac Pitman in 1848. And there can be no doubt that by means of their alphabet every English word now in use may be so written that the spelling shall contain a sufficient direction for the prenunciation. Nor is there my reason to apprehend that it would ever be necessary in remodel it, since, however the fishion of pronunciation may change, it is not likely that any new elementary sounds will be developed; and therefore, though we might have to spell some of one words differently, we should still be able to spell some of one words differently, we should still be able to spell then out of the same ablabated.

As for the fear that, if such a reformation were adopted, works composed previously woold become unintelligible, it has been nevertained by many experiments that childern who have learned to read backs printed phonetically in the new alphabet easily teach thenesters to read books printed in the ordinary way; and therefore, even if the new system should become universal for all new books, no one would have any difficulty in mastering the old ones.—J. S.]

¹ See, for an account of these clubers, the appendix at the end of the volume, Dacou's billieral cipher (see lark), p. 659.) seems, as I have there pointed out, to be conceded with one which had been given by Porta, which also depends on the priociple of which the Electric Telegraph is now a familiar illustration, that any number of things may be denoted by combinations of two signs, as in the bloary scale of

LIBER SEVIUS.

nisi Ciphra sit ejusmodi, que aut suspicione vacet aut examinasuppetit inventum ad hoc novum atque utile, quod cum in promptu babeamus, quorsum attinct illud inter Desiderata referre, sed potius id ipsum proponere? Hoc hujusmodi est; ut non-significantium; et simul duas epistolas involvat, unam qua impossibilis, tamen subjicitur hae res examini et questioni; habeat quis duo alphabeta, unum literarum verarum, alterum secretum deferat, alteram qualem verisimile fuerit seribentem Quod si quis de Ciphra severe interrogetur, porrigat ille alphabetum non-significantium pro veris literis, alphabetum autem verarum literarum pro non-significantibus. Hoe mode incidet examinator in epistolam illam exteriorem; quam cum probabilem inveniet, de interiori epistola niliil suspicabitur. Ut vero suspicio omnis absit, aliud inventum subjiciemus, quod certe cum adolescentuli essemus Parisiis excogitavimus; nee etiam adhue visa nobis res digna est quæ percat. Habet enim gradum Ciphræ altissimum; nimirum ut omnia per omnia significari possint; ita tamen, ut tummodo literas solvantur per transpositionem carum. Nam vatur: alia nulla omnino requiritur conditio, aut restrictio, Id transpositio duarum literarum per locos quinque, differentiis triginta duabus, multo magis viginti quatuor (qui est numerus scriptio que involvitur quintuplo minor sit quam ca cui involhoc mode fiet. Prime, universe litera alphabeti in duas tanalphabeti apud nos) sufficiet. Ilnjus alphabeti exemplum Quod vero ad elusionem examinis missurum fuisse, absque periculo tamen. tionem eludat. tale est.

Exemplum Alphubeti Biliterarii.2

	ن	aabba.	0	abbab.	.11	bahaa.	
•	F	aabab.	N	abbaa.	<u>.</u>	baubb,	
	E	anbaa.	W	ababb.	T	baaba.	
Alameter I	n	aaabb.	I	ababa.	S	banab.	
v. mindi	B C D E	naaba.	K	abaab.	R	baaaa.	Z. babbb.
1	В	aaaab.	I	abaaa.	Ö	abbbb.	Y $babba.$
	¥	Jaaaa.	H	aappp.	Ъ	apppa.	X $babab.$

There is a simpler way of attalolog the same end, viz. by using two sets of this rackers, the differences belog, as in Bacon's method, intended to be imperceptible, and making the length of the laterals at which those of one set recur skalificant of the interiors secuption." This is a system mentioned by writers on the follocit; whether ever actually used, I do not know.

For this and the following examples, a special character is used to the original co

PHOTOGRAPHED FROM

BACON'S WORKS -1857 OF LORD EDITION SPEDDINGS VOL. I. JAMES

Negue leve quiddam obiter hoc modo perfectum est. Etenim

objects que vel visui vel auditui subjici possint, scusa animi proferre et significare licent; si modo objecta illa, duplicis Santum differentiæ capacia sunt; veluti per campanas, per buccinas, per flammeos, per sonitus tormentorum, et alia quarcunque. Verum ut incoptum persequamur, cum ad seribendum ex lice inso patet modus, que ad onnuem loci distantiam, per accingeris, epistolum interiorem in Alphabetum hoc Biliterarium solves. Sit epistola interior;

Exemplum Solutionis.

E.	aabaa.
৬	aabba.
7	buabb.
F	Aabab.

singulas Alphabeti Communis literas, tam capitales quam Præsto simul sit aliud Alphabetum Biforme; nimirum quod minores, duplici forma, prout enique commodum sit, exhibeat.

Exemplum Alphabeti Biformis.

_	_	_					_		
~	•	ص		W.	٩.	-	_	•	
"	v	م	•	111	~	લ્		8	
9.	C	ī,	7	M	J	S	13	7	
2	ວ	-	1	N	~	×	4	`~	
9	9	•	p	/	0	7	"	×	ы
"	9	•	~	/	0		2	:-	ы
9	B	Œ	H	7	0	~	מ	×	N
n	=	E	11	1.	0	×	n	`~	"
9	e	q	ы	**	"	6		20	
71	=	77	0	~	2	0	. ~	202	
9	V	O	ဗ	×	>	ď	L	M	
2	7	2	ت	X	×	2	-	11	

Tum demum epistolu interiori, jum factu biliteratu, epistolam exteriorem biformem literatim accommodabis, et postea describes. Sit epistola exterior;

Manere to volo donee venera.

It is only in the Aphabetum Diforms and the Exempla Accommodation's that unything depends upon the shape of the letters, I have printed all the rest in the common field tion, resembling hundwrifing, and apparently cut to wood for the occusion.

distinction between the two sets of characters by using types belonging to two dif-ferent founds. The particular forms of the letters are of course innaterial, so long as those which stand for a can be clearly distinguished from those which stand for b; and the table, as I have arranged it, will be found easler of reference. — J. S. flourishes; and the (a) or (b) is repeated in every case. By keeping the columns dis-tinet. I have avoided the necessity of this repetition; and I have obtained the requisite characters are cut to represent handwriting, the distinctions being made by loops of This biform alphabet is set out somewhat differently in the ariginal edition.

LIBER STAIRS

Exemplum Accommodationis.

, J		4	Ü	/
aubub.b	222)	lb.aa	bba.aa	bud
Manere	16	opos	dome.	renero.

Apposnimus etiam exemplum afind largins ejusdem ciphre, scribendi omnia per omnia.

Epistola interior; ad quam delegimus epistolam spartanam. missum olim in sevtale. Neque hine

Milites esuriant.

Perditae rrs. Minderns cecidit.

Epistola exterior, sumpta ex epistola prima Ciceronis; in qua nos extricare, neque hie dintius manere possumus.

Ego omni officio ne potius pictute erqu te carteris satisfica o ventes; Mili ipse nunquan satisfacia. Tunta est crim magnitudo tuerum erga me meritorum, at quonism ta, nisi perfecta re, de me nem cenquièser; fuguat: res agitur per casdem creditores per ques cues tu merm agebaego, quia non idem in tua cuasa efficio, vitam mibi esse accedara patera, In causa bee sunt: Ammonius regis legatus aperte peensia no optur: regis causa si qui sant qui redint, qui pauci sant, venes ad Penepistola spartana involvitur.

polum rem deferri volunt : senatus religionis cularmiara, non religiase

sed malevolentia, et illins regiue largitionis involia compe bat, See

Doctrina autem de Ciphris alian scenn traxit doctrinan erga ipsam relativam. Illa est de Deciphratione, sive reseratione ciphrarum, licet quis alphabetum ciphre aut pactum de Intebra penitus ignoret. Res sane est illa laboriosa sinuil et ingeniosa, et areanis principum, veluti et illa prior, dicata. Metamen precautione solerti fieri possit inutifis; etsi quomodo res nune se habent magni prorsus sit usus. Etenim si ciplure introducto essent hone et fideles, plurime therint que operam deciphratoris provsus chiderent et exchiderent; que tamen sint rum imperitia et inscitia secretariorum et amanuensium in anlis principum tanta est, ut maxima plerunque negotia cipluis insatis commode et expedite nd legendum aut scribendum. frmis et futilibus committantur.

Interest fieri potest, ut suspicetur quispiant nes in enumeratione et quasi censu artinu id agere, ut scientiarum copie (quas veluti in aciem adduciunes) anetae et multiplicater mecis sint admirationi; cum tancu numerus carum forte e fenturi, vue

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VOL. IJAMES SPEDDING'S EDITION OF LORD BACONS WORKS 1857

THE SINTH BOOK.

equals of stories or metre) it is (as I said before) like a luxuriant plant, that comes of the lust of the earth, without any formal secot. Wherefore it spreads everywhere and is scattered far and wide, so that it would be vain to take thought about the defects of it. With this therefore we need not trouble ourserlyes. And with regard to Accents of words, it is too small a neatter to speak of; unless perhaps it be thought worth remarking, that while the accentuation of nords has been exquisitely observed, the arcentuation of sentences has not been observed at all. And yet it is common to all mankind almost to drop the voice at the end of a period, to raise it in asking a question, and other things of the kind not a few. And so much for the part of Grammar which relates to Speech.

As for Writing, it is performed either by the common alphabet (which is used by everybody) or by a secret and private one, agreed upon by particular persons; which they call ciphers. And with regard to the common orthography itself, a controversy and question has been raised among us,—namely, whether words ought to be written as they are pronounced, or in the usual way. But this apparently reformed style of writing (viz. in which the spelling should agree with the pronunciation) belongs to the class of unprofitable subtleties. For the pronunciation itself is continually changing; it does not remain fixed; and the derivations of words, especially from foreign fongues, are thereby completely obscured. And us the spelling of words according to the fashion is no check at all upon the fashion of pronunciation, but leaves it free, to what purpose is this innovation?

Let us proceed then to Ciphers. Of these there are many kinds: simple eighers; eighers mixed with non-significant characters; eighers; eontaining two different letters in one character; wheel-ciphers; key-ciphers; word-ciphers; and the like. But the virtnes required in them are three; that they be easy and not lahorious to write; that they be safe, and impossible to be deciphered; and backy that they be, if possible, such as not to raise su-picion. For if I trees fall into the bands of those who have power either over the writers or over those to whom they are addressed, although the cipher itself may be safe and impossible to decipher, yet the matter comes under examination and question; unless the cipher be such as either to raise no su-picion or to elude inquiry. Now for this

Paris in my early youth, and which I still think worthy of preservation. For it has the perfection of a cipher, which is transpositions of two letters only. For the transposition of two letters through five places will yield thirty-two differences; to make anything signify anything; subject however to this condition, that the infolding writing shall contain at least five this: First let all the letters of the alphabet be resolved into tion or restriction whatever is required. The way to do it is elusion of inquiry, there is a new and useful contrivance for it, which as I have it by me, why should I set it down among the desiderata, instead of propounding the thing itself? It is this: et a man have two alphabets, one of true letters, the other of one carrying the secret, the other such a letter as the writer dangerous. Then if any one be strictly examined as to the Thus the examiner will fall upon the exterior letter; which finding probable, he will not suspect anything of another letter within. But for avoiding suspicion altogether, I will add another contrivance, which I devised myself when I was at times as many letters as the writing infolded: no other condimuch more twenty-four, which is the number of letters in our aon-significants; and let him infold in them two letters at once; would have been likely to send, and yet without anything cipher, let him offer the alphabet of non significants for the true letters, and the alphabet of true letters for non-significants. alphabet. Here is an example of such an alphabet.

Example of an Alphabet in two letters.

~	B	ప	q	E	Ŀ	ڻ
aaa.	aaaab.	aanba.	agabb.	aapaa.	aabab.	aubba.
H	1	K	7	W	×	0
.999	abaaa.	abaab.	ababa.	ababb.	abbaa.	abbab.
4	o	R	S	T	2	AI
abbba.	abbbb.	baana.	baaab.	baaba.	buabb.	babaa.
×	7	ï,				
bab.	babba.	babbb.	,			

Nor is it a slight thing which is thus by the way effected. For hence we see how thoughts may be communicated at any distance of place by means of any objects perceptible either to the eye or ear, provided only that those objects are capable of two differences; as by bells, trumpets, torches, gunshots, and the

PHOTOGRAPHED FROM

But to proceed with our business: when you prepare to write, you must reduce the interior epistle to this biliteral a'phabet. Let the interior epistle be

Example of reduction.

aabab. ababa. babba.

Have by you at the same time another alphabet in two forms; I mean one in which each of the letters of the common alphabet, both eapital and small, is exhibited in two different forms, - any forms that you find convenient.

Example of an Alphabet in two forms.

1	
9	04.4 E & 2
a	0 2.0 % B & B
9	10 CANZANO
a	ひたて対しなった。
9	000101288
8	00200222
9	ZXCROLHER ZXCROLHER
a	2×4年のアロドロ
9	2 2 20 20 20 20 20 20 20 20 20 20 20 20
a	8 40 2 20 0 8
9	オロロメドひとか
n	ガルのスソジロア

Then take your interior epistle, reduced to the biliteral shape, and adapt to it letter by letter your exterior epistle in the biform character; and then write it out. Let the exterior pistle be,

Do not go till I come.

Do not go till I come. aa bab. ab aba,b a bba. Example of Adaptation.

I add another larger example of the same cipher, - of the writing of anything by anything.

The interior epistle; for which I have selected the Spartan desputch, formerly sent in the Scytale.

All is lost. Mindarus is hilled. The soldiers want food. We can mither get hence, nor stay longer here.

THE SINTH BOOK

The exterior epistle, taken from Cicero's first letter, and containing the Spartan despatch within it.

myself. Myself I never satisfy. For so great are the arcias which you have rendered me, that seeing you did not rest in your andiansours on my behalf till the thing was done, I feel as if lite kal lest all its sweetness, because I cannot do as much in this cause of yours. The In all duty or rather piety towards you I satisfy every bady enough eccasions are these: Ammonius the King's ambussader openly besinges us with money: the business is curried on through the same creditors who were employed in it when you were here, &c.

The doctrine of Ciphers carries along with it another doctrine, which is its relative. This is the doctrine of deciphering, or of detecting ephers, though one be quite ignorant of the alphabet used or the private understanding between the parties: a thing requiring both labour and ingenuity, and dedicated, as caution indeed it may be made useless; though as things are it the other likewise is, to the secrets of princes. By skillful preis of very great use. For if good and safe ciphers were intraduced, there are very many of them which altogether clude and fulness of secretaries and clerks in the courts of kings, that the greatest matters are commonly trusted to weak and futile exclude the decipherer, and yet are sufficiently convenient and ready to read and write. But such is the rawness and unskileiphers.

of the sciences thus drawn up on parade, that the numbers of It may be suspected perhaps that in this connecation and census, as I may call it, of arts, my object is to swell the ranks them may raise admiration; whereas in so short a treatise, though the numbers may perhaps be displayed, the force and value of them can hardly be explained. But I am true to my design, and in framing this globe of knowledge 1 do not choose think) superficial; but out of a large mass of matter I pick out to omit even the smaller and more remote islands. And with a fine point the kernels and marrows of them. Of this however I leave those to judge who are most skilful in such arts. For whereas most of those who desire to be thought multiscient are given to parade the terms and externals of arts, thereby making themselves the admiration of those who do not though my handling of these things be cursory, it is not (as I understand those arts and the seorn of those who do; I hope that my labours will have the contrary fate, and arrest the judgment

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Aaabbaddeeffgghhijllmmnnoop
pqqrrsssstvvvuuxxyyzzsb:
ABB(CDDEEFFG
GHHIJLLMMMN;
NOOPPQQRRSS
TTUVXXYYZZ

Letra del Grifo que escrevia Fran, Lucas EnMadrid: Ano De. M. D. LXXVII.

57. ITALIC TYPE-LETTERS.

PHOTOGRAPHED FROM "ALPHABETS, A MANUAL OF LETTERING FOR THE USE OF STUDENTS, WITH HISTORICAL AND PRACTICAL DESCRIPTION," BY EDWARD F. STRANGE. 1907

The foregoing illustration of alphabets is presented at this point for the purpose of showing the differences in forms of letters resorted to in the sixteenth century (1577).

The following statement has been deciphered from Bacon's "De Augmentis" (1624) by means of the Bi-literal Cipher: "By slight alteration of the common italic letters, the alphabets of the Bi-literal Cipher, having the two forms, are readily obtained."

LORD BACON'S OWN EXAMPLE OF BI-LITERAL CIPHER Spedding's Editions 1857

Manere te volo donce venero.

Ego omni officio ue potius pietate erga te caeteris satisfacio oranibas: Mihi ipse nunquam satisfacio. Tanta est enim magnitudo tuorure erga me meritorum, ut quoniam ta, nisi perfecta re, de me non ceuquièsti: ego, quia non idem in tua causa efficio, vitam mibi esse acerbare patere. In eausa bac sunt: Ammonius regis legatus aperte pecunia ues opquant: res agitur per eosdem creditores per quos cum tu adecas agidatur: regis causa si qui sunt qui velint, qui pauci sunt, oranes ad Pempeium rem deferri volunt: senatus religionis calumniam, non religione sed malevolentia, et illius regiae largitionis invidia comprebat, Sc.

Do not go till I come.

In all duty or rather piety towards you I satisfy every body except myself. Myself I never satisfy. For so great are the services which you have rendered me, that seeing you did not rest in your endeavours on my behalf still the thing was done, I feel as if life had lost all its sweetness, because I cannot do as much in this cause of yours. The occasions are these: Ammonius the King's ambassador openly besieges as with money: the business is carried on through the same creditors who were employed in it when you were here, &c.

 a	b	a	b	a	b	a	b	а	ь	a	В	
A D G K N Q T	A D G K N Q T W	c d g k n q t w	a d g k n q t. w	B E H L O R U	B E H L O R U X Z	b e h l o r u x z	b e b l o r u x x	C F I M P S v Y	C F M P S v Y		c f i m p s	

L'go omni officio, ac potius pretate ergate. caeteris satisfacio omnibus: Mihi rpsenune quam satisfacio. Lanta est enim magni= tudo tuorum erga me meritorum, vt quoni= am su, nisi persectà re, de menon conquies= ti; ego, quia non i dem in tua causa efficio, vitam mihi esse acerbam putem. În cau= sa have sunt: Ammonius Regis Legatus aperte pecunia nos oppugnat. Resagitur per eosdem creditores, per quos, cum tu ade: ras, agebatur. Regis causa, si gui sunt, gui velint, gui pauci sunt omnes ad Lompe= ium rem deferri volunt. Senatus Religionio calumniam, non religione, sed ma= Scholentia, et illius Regrae Cargitionis anuidia comprobat. &c.

Manere te volo donec benero:

An Example of a Bi-formed Alphabet.

a. b.a.b. a.b. a.b.a b.a.b.a.b.a.b. A. A a.a.B.B. b.b. C. C.c.c.D.D.d.d. (a b.a.b. a. b.a.b. a. b. a.b. a. b.a.b. (L.E.e.E.F.F.f.G.G.g.g.H.H.h.h. ca. b.a.b.a.b.a.b.a.b.a.b. a. b.a.b. J.J.i.i.K.K.k.R. { { . [. [.]] M.M.m.m. (a. b. a.b.a.b.a.b.a.b.a.b.a.b. a.b. a. N. K.n.n. O. O.o. o. L. G. p. p. Q. Q. Q. g. g. R. (b. a.b.a.b. ab. a. b.a.b. a. b.a.b. a b. Rr. S. S. s. s. T. T. t. t. V. D. v. b. u. u.

		Section.
		- (-

THE "I. H. POER" GROUP.

The following group of illustrations has been assembled for the purpose of demonstrating the use of the two forms of type in enfolding a hidden message in the printed page.

This series (pp. to) consists of various photographic facsimiles of the "I. M. Poem" — see a brief adulatory poem inserted in the preliminary pages of the 1623 Folio Edition of Makespeare's works. Although another poem — by L. Digges — appears on the same page in the original, the "I.M. Poem" has been taken as the basis of the illustration of the cipher, not because it lands itself any more easily to the purpose, but because of its brevity, as compared to other passages. The massage enfolded in the Poem is complete in itself, and is signed by its author. The illustrations are photographic copies taken from — the 1623 Felio in the Newberry Library collection, Chicago.

The first illustration in the group is the page containing the phetographic reproduction of the "I.M. Poem" itself. (p.). Next follows (p.) an illustration of the alphabets of the g and b forms in use in the T.M. Poem."

Henry of these may have "variants," but a comparison of the with the typical letter of the form to which they belong makes these variations easily distinguished and understood.

A reference to Bason's own illustrations on pp. will disclose the fact that he deliberately propared variants in his own type forms. The characteristic a and b form of letters offered by Bason may be studied in the "Example of a Bi-formed Alphabet" given on-p. On the opposite half of this page will be found hybrid letters or variants, (such the case of the capital H, the left hand top of which has the characteristics of the b form, and the right hand top the characteristics of the a form.)

copies of the "I.M. Poem" with the lines so spaced as to permit of the typical form of the letter (illustrated in the alphabet on p.) being placed over each letter of the poem. For the purpose of clearness this has been done ever every third letter, and three pages have therefore been required to complete this. These three pages show the typical form of the letter of the corresponding form, g or b. This facilitates the comparison between the two letters of the characteristics inherent in the form.

The three pages following (pp.) show the typical letters of the opposite form to that over which each is placed. This is done for the purpose of contrast, to enable the student eacily to note the differences between the two forms.

To form the next page (p.) all the letters of the "I.M. Form" have been elessified according to their respective forms in alphabetical sequence, and in the order of their respective occurrence in the text. These unworked below; to the a form; those designated by / are of the b form.

p. of this group presents all the letters of the poom in alphabetical nequence and in the exact order of their occurrence, irrespective of the form to which they belong. These belonging to the a form are unmarked; these in the b class have the / beneath.

"I.M. Poca" with its letters marked to show whether it is of the g or b form in accordance with the preceding pages. Thus each letter shows to which class it belongs—either g or b. To facilitate the reading of the decipherment resulting from such marking, the letters of the poca have been divided into groups of five, with the result that each of such groups represents one of the combinations of g and b to be found in the Baconian Cipher Code already given on p-

To the memorie of M. W. Shake-speare.

VVEE wondred (Shake-speare) that thou went'st so soone
From the Worlds=Stage, to the Graues-Tyring-roome.
Wee thought thee dead, but this thy printed worth,
Tels thy Spectators, that thou went'st but forth
To enter with applause: An Actors Art,
(an dye, and live, to acte a second part.
That's but an Exit of Mortalitie;
This, a Re-entrance to a Plaudite.

ALPHABET

A-aaaaa B-aaaab C-aaaba D-aaabb E-aabaa F-aabab G-aabba H-aabbb I-abaaa K-abaab L-ababa Meababb N-abbaa O-abbab P-abbba Q-abbbb R-baaaa S-baaab Tobauba V-baabb W.babaa X-babab Y-babba Z-bubbb

To the memorie of M.W. Shake-speare.

VVEE wondred (Shake-speare) that thou went's so soone
From the Worlds-Stage, to the Graues-Tyring-roome.
Wee thought thee dead, but this thy printed worth,
Tels thy Spectators that thou went it but forth
To enter with applause. An Actors Art.
(an dye, and live, to acte a second part.
That's but an Exit of Mortalitie;
This, a Re-entrance to a Plandite.

I. M.

SHAKESPEARE FOLIO 1623-METHUE'S COE.

I. M. POEM

To the memor ice fil dShak espectre RE wondredsha kespe areth at the usent stace coneF banab aabaa aaaaa banaa saaba sabbb sabab aabab banaa abaab sabaa bahaa bahaa basab

remth everl deSta getet heCra ueeTy ringr cemes ecthe ughtt heede adbut thist hypri baaba aabbb aabaa aabbb aabaa aabab aabaa aabab aabaa aabab aabaa aabab aabab aabab baaba

ntedw erthT eleth ySpec tater sthat theuw entst butfe rthTe enter witha pplau seAnA anbbb sabaa anaba abbab ababb nabaa anabb abaaa anaba banaa anaba banaa anaba abbaa

cters Artic ndyes ndliu etesc tesse condp artin atsbu tankx itefM ertal itieT hisak sasab abasa basab sasab sasab sasab basab sasab basab basab basab basab basab basab basab basab

centr ancet oalla udite IM

euron for keyes, the handings of the Comedies.

FRUCI SURCE OF VERVIANS

L M.

VV

M TT ee f hh ii mi oo ir tr

E SS aa ee hh ii kk pp ri ff tt x

SS WW aa ee bh k p rr ss

AA CC EE FF GG MM PP RR SS FT WW

aa bb cc dd ee ff gg bh ii ll mm nn

oo pp rr ss sst uu www yy

— THE ALPHABETS.—

M Drailman

VV

Meeefhimm ooort T

सतसं इंड हिर्दे

uuuuuuuuu wwwww yyyy

LETTERS ARRANGED ALPHABETICALLY AND IN PRINTED ORDER.

The ero. Was fa.
To the memorie of M.W. Shake-speare.

```
wdd afatto eft sn
      TEE wondred (Shake-speare) that thou went st so soone
              Wilsgoe a's
       From the Worlds = Stage, to the Graves - Tyring - roome.
 Wtuteebttpndn
Wee thought thee dead, but this thy printed worth,
T's y e t's a
Tels thy Spectators, that thou went st but forth
                      n.
To enter with applause. An Actors Art,
Can dye, and line, to acte a second part.
   hst Et Mtie
 That's but an Exit of Mortalitie;
 This, a Re-entrance to a Plaudite.
 N°1-COMPARISON WITH TYPICAL LETTER OF SAME FORM.
 COPYRIGHT 1916
RIVERBANK COMPANY.
```

o e m i f S k p r. To the memorie of M.W. Shake-speare.

E ar Skprhtu EE wondred (Shake-speare) that thou went st so soone From the Worlds - Stage, to the Graves - Tyring - roome u b Wee thought thee dead, but this thy printed worth, et S Et. o. t t o e ft Tels thy Spectators, that thou went'st but forth To enter with applause. An Actors Art, Can dye, and live, to acte a second part. That's but an Exit of Mortalitie; T a This, a Re-entrance to a Plaudite.

?Nº2-COMPARISON WITH TYPICAL LETTER OF SAME FORM.

t m o e M h e e e e.
To the memorie of M.W. Shake-speare.

EE wondred (Shake-speare) that thou went ft so soone rs. a t From the Worlds = Stage, to the Graves - Tyring-roome a b b d d t is g Wee thought thee dead, but this thy printed worth, Tels thy Spectators, that thou went at but forth A & S. To enter with applause. An Actors Art, e n a (an dye, and line, to acte a second part. That's but an Exit of Mortalitie; Rnae This, a Re-entrance to a Plaudite.

Nº3-COMPARISON WITH TYPICAL LETTER OF SAME FORM.

M eee f h i mm ooo r t T

ES aaeeehikprstx S.W aa eee h k prs

AAA CEEFG MPRSSTTTTT WW

तिसंस डांड रिर्दि

LETTERS ARRANGED ALPHABETICALLY, CLASSIFIED ACCORDING TO FORM, AND IN PRINTED ORDER.

The row Wsassare.
To the memorie of M.W. Shake-speare.

w d d a 's a t t o e st s n
TEE wondred (Shake-speare) that thou went'st so soone t Wil's goe a's From the Worlds=Stage, to the Graves-Tyring-rooms. t. u. t. e e b t t. p n d Wee thought thee dead, but this thy printed worth, T's y e. t s a h Tels thy Spectators, that thou went it but forth To enter with applause. An Actors Art, (an dye, and line, to acte a second part. That's but an Exit of Mortalitie; This, a Re-entrance to a Plaudite.

N°4-CONTRAST WITH TYPICAL LETTER OF OPPOSITE FORM.



To the memorie of M.W. Shake-speare.

 $o r^{22} S^{23} k p^{39} r h t u n \int o e^{t}$ TEE wondred (Shake-speare) that thou went'st so soone From the Worlds-Stage, to the Graves-Tyring-roome Wee thought thee dead, but this thy printed worth, Tels thy Spectators, that thou went'st but forth Tnrtpae To enter with applause. An Actors Art, (an dye, and live, to acte a second part. That's but an Exit of Mortalitie; This, a Re-entrance to a Plaudite.

N°5-CONTRAST WITH TYPICAL LETTER OF OPPOSITE FORM.

t m o e h e e e.
To the memorie of M.W. Shake-speare.

 ^{21}E n e. ^{28}h ^{29}e ^{29}e e a h TEE wondred (Shake-speare) that thou went'st so soone rsathre. 11 y n From the Worlds=Stage to the Graues-Tyring-roome. obbadd t is y 'i e Wee thought thee dead, but this thy printed worth, Tels thy Spectators, that thou went'st but forth otwhpu A 32 Ets To enter with applause. An Actors Art, neduoe (an dye, and live, to acte a second part. n^{33} i if That's but an Exit of Mortalitie; This, a Re-entrance to & Plaudite.

Nº6-CONTRAST WITH TYPICAL LETTER OF OPPOSITE FORM.

ELIZABETH WELLS GALLUP TESTED AS A DECIPHERER

BY JAMES PHINNEY BAXTER

To the memorie of M. W. Shake-Speare.

VIEE wondred (Shake-speare) that thou went'st so some From the Worlds-Stage, to the Graues-Tyring-roome. Wee thought thee dead, but this thy printed worth, Tels thy Spectators, that thou went'st but forth To enter with applause. An Actors Art, Can dye, and live, to acte a second part. That's but an Exit of Mortalitie; This, a Re-entrance to a Plaudite.

I. M.

To the memorie of M. W. Shake-speare.

VVEE wondred (Shake-speare) that thou went's to so From the Worlds-Stage, to the Graves-Tyring-roome Wee thought thee dead, but this thy printed worth, Tels thy Spectators, that thou went's but forth To enter with applause. An Actors Art, Can dye, and live, to acte a second part.

That's but an Exit of Mortalitie;
This, a Re-entrance to a Plandite.

I. M.

ORIGINAL ARRANGEMENT, I.M. POEM
Shakespeare Folio, 1623
As deciphered by Elizabeth Wells Gallup

Tothe memor ieofM WShak espea reWEE wondr baaab aabaa aaaaa baaaa aaaba aabbb aabab

edSha kespe areth attho uwent stsos ooneF abbab baaaa abaab aabaa babba aabaa baaab

romth eWorl dsSta getot heGra uesTy ringr baaba aabbb aabaa aabbb aabaa aaaaa aaabb

oomeW eetho ughtt heede adbut thist hypri abaaa abbaa aabba baaab abbab aabab baaba

ntedw orthT elsth ySpec tator sthat thouw aabbb aabaa aaaba abbab aabaa aaabb

entst butfo rthTo enter witha pplau seAnA abaaa aabaa baaab baaab baaaa aabaa abbaa

ctors ArtCa ndyea ndliu etoac tease condp aaaba abaaa baaab aaaab aaaaa baaaa abbab

artTh atsbu tanEx itofM ortal itieT hisaR

abbaa abbab aabab baabb aabaa baaba baabb

eentr ancet oaPla udite ababa aaaaa ababb

Search for keyes, the headings of the Com-edies.

FRANCIS BARON OF VERULAM.

TEST GIVEN ELIZABETH WELLS GALLUP By Re-arrangement of Letters, I.M. Poem Shakespeare Folio 1623

Tothe memor ieofM WShak espea reWEE wondr baaab aabaa aaaaa baaaa aaaba aabbb abaab

edSha kespe areth attho uwent stsos ooneF aaaaa abaaa baaab aabaa baaaa abaab baabb

romth eWorl dsSta getot heGra uesTy ringrababa baaba baaba baaba baaba baaaa abaab

oomeW eetho ughtt heede adbut thist hypri aabaa aabba baabb abbaa aaabb baaab aaaba

ntedw orthT elsth ySpec tator sthat thouw aabbb ababa aaaaa aaaba aabbb baaba aabaa

entst butfo rthTo enter witha pplau seAnA abbaa ababb aaaaa aaaba aabbb baaba abaaa

ctors ArtCa ndyea ndliu etoac tease condp baaab baaba baaaa aabaa aabba baaba

artTh atsbu tanEx itofM ortal itieT hisaR abbaa abbab aabab baabb aabaa baaaa baabb

eentr ancet oaPla udite ababa aaaaa ababb

Search Kaiser Kultur Krieg und Schlachten Macht ist Recht n of Verulam.



DESCRIPTIONS

of the characteristics

of the "a" and "b" form letters

in

"THE I.M. POEM"

The letters affixed by way of illustration have been photographed from the 1623 Folio in the Newberry Collection and have been enlarged to three and one-third the dimensions of the original, to facilitate the study of their characteristics.

For a description of the roman letters, which occur relatively infrequently, and of which there is often but one illustration on a page, the student is referred to the Appendix, where all the roman letters used in the I.M. and the Digges poems, the Prologue, the Catalogue, and the Names of the Principall Actors, have been assembled.

UPPER CASE ITALIC LETTERS IN "I.M. POEM"

A Form

The typical letter is plain with high, straight bar. A kern or a dot in the letter changes it from a to b or vice versa.

A long letter extending below the line.

No example.

No example

No example.

No example

Has a nearly even curve in the top at the right.

No example

No example

Curved top.

A tall well-made letter,

Large size type, narrow head and wide base.

No example

Form

The typical letter is plain with a curved or slanting bar, as seen in the alphabet.

No example.

Top and bottom lines parallel; the kern on the base line slender and slanting.

Top heavy and elants parallel to seriph of base.

The short line slants toward the base.

Kern short, straight, and blunt at the right. Third line shaded from top. Seriphs at bottom level.

No example,

Top forms a segment of a circle at the left. Upright does not reach the top.

Erect; round curves.

No example.

The heavy, blunt letter with short connecting line is the b-form. It is accented and therefore marked a-form.

No example

Well-made letter in large size type ; points sharp.







R

S

S

C

E































Typical a form is well-made: the oval usually shows angle or ehoulder and rounds gradually to the line of writing, making the letter somewhat wider at the base then the corresponding letter in the b form; also the oval has the appearance of a complete o placed in such a way that a part of one side side rests on the upright and often projects sufficiently to give the stem the appearance of bending outward near the center.

Oval pointed at top and narrow at base.

Roundness commences near top; curve at base usually wide.

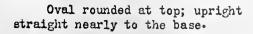
Stem has no wave line, but sometimes turns slightly to the left at top; toe upturned; loop leaves stem and rejoins it at a somewhat obtuse angle.

A line drawn through the loop of this letter beginning at the left of the oval where it leaves the stem and running through the opposite point of the oval, intersects the line of the end of the curve of the base produced either above or below the line of writing.

Letter slanted; straight top, or, if curved, showing a small neck at left.

B Form

Somewhat narrower at hase than the a form; oval pointed: upright is often either uniform or slightly heavier at top. Letter slanted.



Roundness commences near center of back: curve at base usually narrow.

Wave line in stem, angle between stem and top of oval acute: point of jointure below, somewhat high on stem.

A line drawn through the loop of this letter beginning at the left of the oval where it leaves the stem and running through the opposite point of the oval, will run parallel to the line of the end of the curve of the base produced.

Letter stands nearly erect; top curved.











LANGE LOWER CASE ITALIC LETTERS IN "THE I.M. POEM"

A Form

B Form

Slanting, somewhat wide at the base.

4

If the end of the curve of the base line were produced it would not form a perfect o.



If the end of the curve of the base line were produced it would form a perfect o.

No example.

Somewhat slender; the loop is narrow at the top and pointed.



No example.

Slender and delicate; the queue not widely spread at base.



No example.

The loop is narrow in the bottom part.



No example.

Somewhat broad at the top; both kerns are rounded.



No example.

Long, well-made letter; the stem is a wave line.



No example.

The lower loop is attached to the center of the oval; the connecting line usually heavy and angular.

The stem of this letter is not characteristic, unless perhaps slightly pointed at the base; a line drawn upward through the loop so as to intersect it at the middle of the upper part of the curve tends only slightly toward the right.

In the typical letter of this class the base is usually rounded; the kerns do not correspond, that is, one will be straight and the other curved.

The typical letter of this class usually shows a slight wave line in the stem, The angle made by the korn and the stem is large.

Double letters are governed by the law of digraphs, not by that of single letters.

The second loop shorter at top and turns slightly to the right; width of loops nearly equal at base; top kern inclined to sharpness; kern at base usually close.

g



B Form

The lower loop is attached a little to the left of the center of the oval; the connecting line is usually thin.

h



b

The stem of the letter is characteristic; a line drawn upward through the loop so as to intersect it at the middle of the upper part of the curve tends pronouncedly toward the right.

i



In the typical letter of this class the kerns at the ends, whether curved or straight show a correspondence with each other.

1





The typical letter of this class has the characteristic stem rounded into a small, close kern.

m



m

Nearly even at top; second loop wider at base than the first; top kern rounded, and corresponds to the kern at the base.

Letter slanting; top kern inclined to sharpness; kern at base usually clear. The loop tends toward the right at the top in the same manner as that of the second loop in the a form of m

There are many varieties of small o, and it is difficult to assign them to their proper classes. The a form letters show the slant characteristic of that form and are best classified by comparing them with the capital letter, which is less symmetrical than the b form.

Stem of nearly uniform thickness throughout, or slightly shaded below the line of writing; loop shows only slight narrowing toward the base, but slants downward where joined to the upright.

The letter has the slant that is characteristic of the a form. The first kern is small and tends to sharpness; the second kern is rounded. There is usually a greater breadth at the top in the a form than in the b form.

There are long and short letters in both forms. The base in either case is nearly horizontal. The long s of the a form is more slanting than that of the b forma

0

p



B Form

Nearly erect; top kern usually rounded; the two kerns correspond. The letter shows a wideness at the base corresponding to that of the second loop in the b form of m.

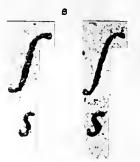
If a line were drawn lightly along the inside of the capital O of the b form it would show almost perfect symmetry. This appears also in all the wellprinted lower-case letters of this form.

Stem often thick at top; loop joins the upright almost at a right angle.



r

The left kern is usually distinct and strong; the two differ only slightly. The upward stroke of the letter is usually string and distinct. The letter is usually somewhat narrow at the top.



The long s of the b form is usually upturned at the base and the slant of the letter is not marked. The short letter has the same characteristics.

LOWER CASE ITALIC LETTERS IN

A Form

The a-form letter has a base like the small <u>l</u> of this class; the stem has the same slant as the <u>l</u>.

The typical letter of this class has the slant of the aform; the first kern straight;
the second curved, or vice versa.
The connecting line between the
uprights is lower than in the
b-form.

The rounded base is typical of both upper and lower-case letters of this form.

First point of base sharp, second point blunt. The letter is flat topped.

Narrow at top; second stroke bends toward the first.





B Form

The characteristic <u>b</u>-form letter is well-made; the kern at base free and clear.



u



Letter nearly erect; the kerns correspond with each other. The connecting line joins the second upright at a higher point in the <u>b</u>-form than in the a-form.

The angular letter, like the second half of the tall w, is the typical letter in the b-form.



Both points of base sharp; first and third stroke on the left extend in curves above the level of the body of the letter.

No example.



y

DESCRIPTION OF THE DIGRAPHS IN "THE I. M. POEM".

The union of a slanting c that shows an angle in the base, with a t that comes well down to the line of writing with the slant of the a form, gives the combination "ae".



No example.

The union of a slanting c that shows an angle in the base, with a t that approaches the c at the base, and has a cross-bar that thickens toward the right gives the combination "ab".



The union of c well-rounded at the base with a t that comes well down to the line of writing with the slant of the a form, gives the combination "ba".

The union of a short, wellrounded i with an s narrow in the head and angular in the base gives the combination "aa".



No example.

No example.

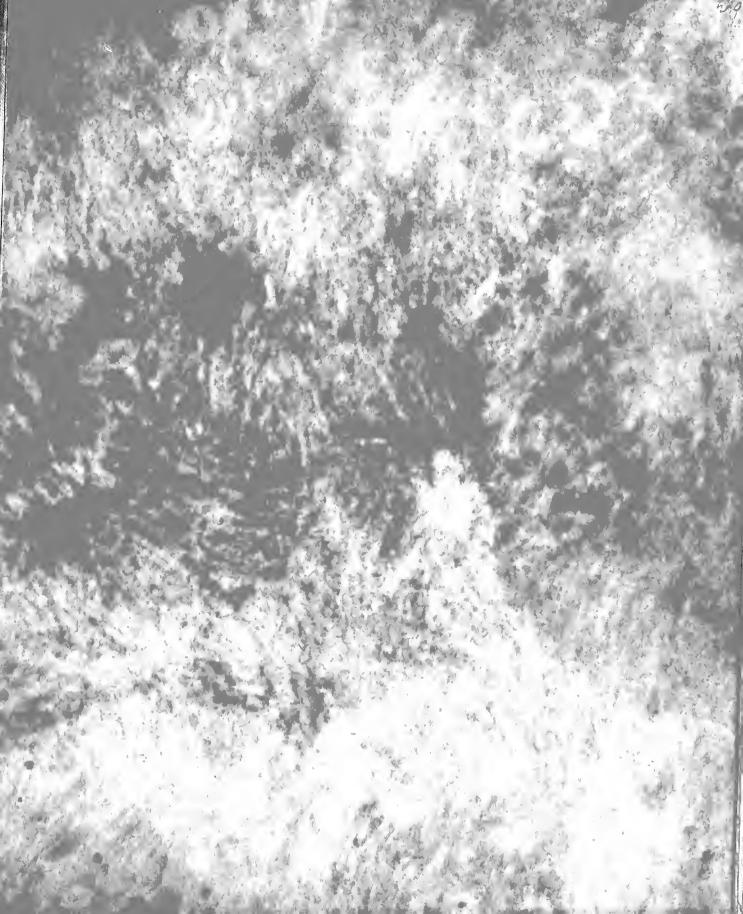


The union of a somewhat large i, the kern and base corresponding, with an a narrow in the head gives the combination "ba".

The unner of a long g having a wide curve at the top; with a t having a slanting bar and somethat wide angle between the foot and the stem gives the combination "ca".



No example.



To the memorie of M. W. Shake-Speare.

TIBE wondred (Shake-speare) that thou went's so soone From the Worlds=Stage, to the Graues-Tyring-roome, Wee thought thee dead, but this thy printed worth. Tels thy Spectators, that thou went'st but forth To enter with applause. An Actors Art, Can dye, and live, to afte a second part. That's but an Exit of Mortalitie; This, a Re-entrance to a Plaudite. LM.

ALPHABET

A-aaaaa B-aaaab C-aaaba D-aaabb E-aabaa F-aabab G.aabba H-aabbb 1-abaaa K-abaab I =ahaha Meababb N-abbaa O.a bhah P-abbbu Q-abbbb R-baaaa S-baaab T.bauba V-baabb W.babaa X-babab Y-babba

Z-bubbb

To the memorie of M. W. Shake-speare.

VEE wondred (Shake-speare) that thou went'st so some I. M.

SHAKESPEARE FOLIO 1623-METHUEN

I. M. POEM

To the memor isof!! dShak espec re BE wondr edsha kespe areth at the usent stees esne? banah cabaa asaas banaz asaab dabab abbab dabda banas abaab asaas asaab asaab

remth ederl deSta getet heGra weeTy ringr comed eethe ughtt heede adbut thist hypri basha ashba basha ashaa ashab asaas asaas abba basha basha basha basha basha basha

ntedw orthT elsth ySpec tater sthat theuw entst butfe rthTe enter witha pplau seAnA aedda asasa asaad dadaa dasad asada sarda ddesa sadea dadda edana asdas dddas

cters ArtCa nayon ndliu etone tense condp artTh atebu tanEx itefM ertal itieT hisaR dead asses dated dates and bards and acute cases deace dead and and and and acute acute adaes

centr sucet oalla udite IM ababa aaasa ababb

eurol for keyes, the handings of the Comedies.

FRA CIS BURCH OF YERULAM.

THE DIGGES POEM GROUP.

The next group (pp.) has for its first illustration a photographic copy of the Digges peem (a reproduction is on p.) placed here to show the source of the two alphabets which are illustrated on p. follow—ing. Immediately following is found a decipherment of the peem in groups of five beneath which is the transcription resulting therefrom.

At the end of this group (pp.) will be found full descriptions of the characteristics of each typical letter of both forms, and also of their respective variants. Letters which occur but once are naturally emitted from this list. The student is recommended to refer to this description as a means of familiarizing himself with the alphabet and with the type form illustrated in the group. (pp.).

TO THE MEMORIE

of the deceased Authour Maister

W. SHAKESPEARE.

Hake-speare, at length thy pious fellowes give. The worldthy Workes: thy Workes, by which, out-line Thy Tombe, thy name must when that stone is rent, And Time diffolues thy Stratford Moniment, Here we alive shall view thee still. This Booke, When Brasse and Marble sade, shall make thee looke. Fresh to all Ages: when Posteritie Shall loath what's new thinke all is prodegie That is not Shake-speares; eury Line, each Verfe Here shall reviue, redeeme thee from thy Herse. Nor Fire, nor cankring Age, as Naso said, Of his, thy wit-fraught Booke shall once inuade. Nor shall Ie're beleeue, or thinke thee dead (Though mist) outill our bankrout Stage be sped (Impossible) with some new straine t'out-do Passions of Tuliet, and her Romeo, Or till I heare a Scene more nobly take Then when thy half-Sword parlying Roman's Spake. Till these, till any of thy Volumes rest Shall with more fire, more feeling be exprest, Be sure, our Shake-speare, thou canst never dye, But crown'd with Lawrell, line eternally.

L. Digges.

"L.DIGGES" POEM.

EEHIMMORTT

A aaccddeef hhioorrstu ft M

D L SS VV gg ii

AEEHKPKS



HINRSS

aa dd ee f hhii kk ll m nn oo pp rr ff ss tt uu

AA BB FF HH IJ LL MM

NN 00 PP SS TI UV WW

aa bb cc dd ee ff go bh ii kk ll mm

nn oo pp rr ss ff tt uu vo von xx yy

fififi. is is is is il illilli hoshish III stiftft

- THE ALPHABETS.

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34 Messing

SHAKE SPEARS POLTO 1623

L. DIGGES POEM

TOTHE TEMOR IEoft hedec eased Autho urMai sterN SHAKE SPEAR ESHak espea reatl ength nebab banan annan abban naaba abasa banab abbab nabab basab sabas basas banab ababa thypi cusfe llowe sgive Thewe ridth ywerk esthy Werke shywh icheu tlive ThyTe mbeth nanna ababb abana banab anana banbb banba anbbb abbab banna abbab anana ababa vneme mustw henth atste neisr entan dTime Diese luest hyStr atfer dMeni mentH ereve sheha basha sabba sabaa abbba ababa sasaa babba basab aabab sabaa basaa sabaa basha alive shall viewt heest illTh isBee keWhe nBras seand Marbl efade shall maket heele abbab sabab abbab basas sabas abbba basab asaab abaha abasa basab aabba aabaa asabb ekeFr eshte allAg eswhe nPost eriti eShal lleat hwhat snewt hinke allie prede gieTh asaab babba ababb aasaa banaa ababe abbab babaa aabaa aabba beaaa aabaa aabaa abbaa ation et Sha kesse arese uryli neeac hvers eHere shall reviu erede emeth eefre mthyH sabas abbba sabas dasab sabas dasab sabab sabas dasab sabab sabas basab abbba sabas ersell orFir enerc ankri ngage asless osaid Ofhis thywi tfrau ghtBe ekesh allen ceinu zanna basan caban sanna abban anabb abbab aabab baaba aabbb aaban baaba baban abbab adeNo rehal liere belee weert hinke theed eadTh eughm istyn tille urben kreut Stage ddaed addda sadda sadda addad adaad abbaa baaba babaa abbab babaa abbab baasa bespe dJmpe ssibl ewith semen ewstr ainet eutde Pacci ensef Iulie tandh erRem eaOrt baaba abbab baabh baaba aabab abbab baasa baaba aabbb aabaa sabab abaaa baasa basab illJh earea Scene moren oblyt akeTh enwhe nthyh alfSw ordpa rlyin gRema nsepa keTil basha banka abana abaha danba danba danba danba annan banas anban annan abaha lthes etill envef the Vo lumes rests hallw ithme refir emere feeli ngbee xpree tBesu basha aabaa basaa aaabb basha abbab aanba abbab abbaa baaba abaa abbaa bashb aabaa recur Chake spear ethou canst never dyeBu torew ndwit hiewr ellli weete rnall ylDig asaba asaa baasa baasa basab baasa baasa baasa baaba baasa b SI03

Francis of Verulam is author of all the plays heretofore published by Marlows, Greens, Peels, Shakespears, and of the two-and-twenty new put out for the first time. Some are alter'd to continue his history.



DESCRIPTIONS

of the characteristics

of the "a" and "b" form letters

im

"THE L. DIGGES PORM"

The latters affixed by way of illustration have been photographed from the 1623 Felic in the Newberry Collection and have been enlarged to three and one-third the dimensions of the original, to facilitate the study of their characteristics.

For a description of the rown letters, which occur relatively infrequently, and of which there is eften but one illustration on a page, the student is referred to the Appendix, where all the rown letters used in the I.M. and the Digges pooms, the Prologue, the Catalogue, and the Names of the Principall Actors, have been assembled.

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UPPER CASE ITALIC LETTERS IN "THE L. DIGGES POEM"

A Form

The typical letter is plain with high, straight bar. A kern or a dot in the letter changes it from a to b or vice versa.

A A

B Form

The typical letter is plain with a curved or slanting bar, as seen in the alphabet.

Base tends slightly upward at left, or is level. Width in the upper part less than in the b-form.

3 B

Base tends downward at left. Width of upper part greater than in the a-form.

Top line slender and only slightly slanting; not parallel to seriph of base.



No example

Resembles roman type; heavy and wide at the top with level seriphs and level bar.



No example

Plain, resembling roman type.



Curved top and curved stem with kern at base and a cross bar.

Somewhat heavier than the b-form. The base line is nearly uniform throughout; is not as well drawn as in the b-form.



Tall and slender. The base line thickens gradually toward the right.

Curved kern at the right. Third line light. Seriphs at too and bottom of first line parallel; seriph at right slants downward.

B Form

No example.

Connecting line short. The letter differs from the roman letter by the slant, and by rounded kerns on the heavy line.

No example.

Letter slanting, oval distinctly pointed at the base.



No example.

Has a nearly even curve in the top at the right.



No example.

Erect; round curves.





Wide; slanting; flat curves.

Curved top.





Straight top; form resembles roman type.

Curved; often described as bowl-shaped.





Angular, like the roman letter with the slant of the italic.

A tall, well-made letter.





Erect; second and fourth strokes light; first and third heavy. Notice that this sore is changed to a by a dot-

The latter is well-made; the ovel usually shows angle or shoulder and rounds gradually to the line of writing, making the letter somewhat wider at the base than the corresponding letter in the b-form; also the oval has the appearance of a complete o placed in such a way that a part of one side rests on the upright and often projects sufficiently to give the atem the appearance of bending outward near the center.

Oval rounded at top; upright straight nearly to the base.

Roundness commences near top; curve at base usually wide.

Stem has no wave line, but sometimes turns slightly to the left at top; toe upturned; loop leaves stem and rejoins it at somewhat obtuse angle.

A line drawn through the loop of this letter beginning at the Reft of the oval where it leaves the stem and running through the opposite point of the oval, intersects the line of the end of the curve of the base produced either above or below the line of writing.

Letter slanted; straight top, or, if curved, showing a small neck at left.

The lower loop is attached to the center of the oval; the connecting line usually heavy and angular.











The letter is somewhat narrower at the base than the a-form; oval pointed; upright is often either uniform or slightly heavier at top. Letter slanted.

Oval pointed at top and narrow at base.

Roundness commences near center of back; curve at base usually narrow.

Wave line in stem, angle between stem and top of oval acute; point of jointure below, somewhat high on stem.

A line drawn through the loop of this letter beginning at the left of the oval where it leaves the etem and running through the opposite point of the oval, will run parallel to the line of the end of the curve of the base produced.

Letter stands nearly erect; top curved.

The lower loop is attached a little to the left of the center of the oval; the connecting line is usually thin.

The stem of this letter is not characteristic, unless perhaps slightly pointed at the base; a line drawn upward through the loop so as to intersect it at the middle of the upper part of the curve tends only slightly toward the right.

In the typical letter of this class the base is usually rounded; the kerns do not correspond, -- that is, one will be straight and the other curved.

The typical letter is somewhat light, narrow at base; the loop is elender and rounded; queue shows a wave line.

The typical letter usually shows a slight wave line in the stem. The angle made by the kern and the stem is large.

Double letters are governed by the law of digraphs, not by that of single letters.

The second loop is shorter at the top and turned slightly to the right; width of loops nearly equal at base; top kern inclined to sharpness; kern at base usually close.

Letter slanting; top kern inclined to sharpness; kern at base usually clear. The loop tends toward the right at the top in the same manner as that of the second loop in the a-form of m.

There are many varieties of small o and it is difficult to assign them to their proper classes. The a-form letters show the slant characteristic of that form and are test classified by comparing them with the capital letter, which is less symmetrical than the b-form.

B Form

b b



In the typical letter of this class the kerns at the ends, whether curved or straight, show a correspondence with each other.

The stan of this latter is

characteristic: a line drawn upward

through the loop so as to intersect

it at the middle of the upper part

of the curve tends pronouncedly

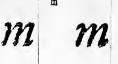
toward the right.



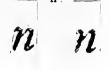
The typical letter is broad and spreading at the base; the loop angular. The letter is usually broad and heavier than the a-form k



The typical letter has the stem rounded into a small, close kern.



Nearly even at top; second loop wider at base than the first; top kern rounded and corresponds to the kern at the base.



Nearly erect; top kern usually rounded; the two kerns correspond. The letter shows a wideness at the base corresponding to that of the second loop in the \underline{b} -form of \underline{m} .



If a line were drawn lightly along the inside of the capital <u>O</u> of the <u>b</u>-form it would show almost perfect symmetry. This appears also in all the well-printed lower-cass letters of this form.

LOWER CASE ITALIC LETTERS IN "THE DIGGES POEM."

A Form

Stem of nearly uniform thickness throughout, or slightly shaded below the line of writing; loop shows only slight narrowing toward the base, but slants downward where joined to the upright.

Has the slant that is characteristic of the a-form. The first kern is small and tends to sharpness; the second kern is rounded. There is usually greater breadth in the a-form than in the b-form.

There are long and short letters in both forms. The base in either case is nearly horizontal. The long s of the a-form is more slanting than in the b-form.

Has a base like the small $\underline{1}$ of this class; the stem has the same slant as the $\underline{1}$.

The typical letter of this class has the characteristic slant of the a-form; the first kern straight; the second curved, or vice versa. The connecting line between the uprights is lower than in the b-form. The rounded base is typical of both the upper and lower case letters of this form.

First point of base sharp; second point blunt. The letter is flat topped.

No example.

Narrow at top; second stroke bends toward the first.

B Form

Stem often thick at top; loop joins the upright almost at a right angle.

The left kern is usually distinct and strong; the two differ only slightly. The upward stroke of the letter is usually strong and distinct. The letter is usually somewhat narrow at the top.

The longs of the <u>b</u>-form is usually upturned at the base and the slant of the letter is not marked. The short letter has the same characteristics.

The characteristic \underline{b} -form letter is well-made; the kern at base free and clear.

Letter nearly erect; the kerns correspond with each other. The connect ing line joins the second upright at a higher point than in the a-form. The angular letter, like the second half of the tall w is the typical letter in the b-form.

Both points of base sharp; first and third strokes on the left extend in curves above the level of the body of the letter.

Narrower than the <u>a</u>-form; the left kern at the base is not thick and rounded as in the <u>a</u>-form, but leaves the line at a somewhat sharp angle.

Wide at top; a well-made letter.







No example.

The union of a short, wellmade i with an s that is very angular at the base gives the combination "aa".

The union of an i well-rounded at the base, with an a having a long top and narrow base gives the combination "ab".

The union of a delicate, wellmade s that is well-rounded at the top with an h also delicate that has a narrow loop, gives the combination. "aa".

The union of a delicate, long s well-rounded at the top with an h which shows a distinct widening of the loop at the middle point gives the combination "ab".

No example.

No example

The union of a delicato, long s having a wide curve at the top, with a t having a slanting bar and somewhat wide angle between the foot and the stem, gives the combination "aa".

ine union of a dericate, long 5 having a wide curve at the top, with a t having a bar nearly horizontal and a foot somewhat closer than the one just described above, gives the combination "ab".

The maion of an f having a curved top with an i having a rounded base and a sharp head. gives the combination "ba".

> The union of a sharply pointed i with an s having a long top and narrow base, gives the combination "bb".

The union of a sharply pointed i with an s narrow at the base gives the combination "ba" -

The union of an s having a flat top with an h that shows wideness at the middle of the loop, gives the combination "bb

The union of an s showing comewhat more strength than the preceding, and having a flat top with an h that has a narrow loop, gives the combination "ba".

The union of two long s's each having an upturned foot gives the combination "bb".

The union of the long s having a foot turning upward with one having an horizontal foot gives the combination "ba."

The union of a long s having a narrow, curved head with a t having a nearly horizontal bar gives the combination "bb".

The union of a somewhat strong letter s having a conparatively narrow, curved to with a t having an angular base, givee the combination "ba".

















e/P

THE PROLOGIE GROUP

The following group (pp.) consists of a photographic copy of The Prologue, chosen because the play of "Troilus and Grossida" was not commorated in the Gatalogue. In the same manner as in the proceeding group, this group is arranged in the order of (1) The Prologue, (2) the alphabet, (3) the decipherment and its transcription.

At the end of this group (pp.) will be found a full description of the characteristics of each typical letter of both forms, and also of their respective variants. Letters which occur but once are naturally emitted from this list. The student is recommended to refer to this description as a means of familiarizing himself with the alphabet and with the type form illustrated in the group. (pp.

The Prologue.

NTroy there lyes the Scene: From Iles of Greece The Princes Orgittous, their high blood chaf'd Haue to the Port of Athens sent their shippes Fraught with the ministers and instruments Of cruell Warre: Sixiy and nine that wore Their (rownets Regall, from th' Athenian bay Put forth toward Phrygia, and their vow is made To ransacke Troy, within whose strong emures The rauish'd Helen, Menelaus Queene, With wanton Paris sleepes, and that's the Quarrell. To Tenedos they come, And the deepe-drawing Barke do there difgorge Their warlike frautage: now on Dardan Plaines The fresh and yet unbruised Greekes do pitch Their braue Pauillions.Priams six=gated (ity, Dardan and Timbria, Helias, Chetas, Troien, And Antenonidus with massie Staples And corresponsine and fulfilling Bolts Stirre op the Sonnes of Troy. Now Expectation tickling skietish spirits, On one and other side, Troian and Greeke, Sets all on hazard. And bither am I come, A Proloque arm'd, but not in confidence Of Authors pen, or Actors voyce; but suited In like conditions, as our Argament; To tellyou (faire Beholders) that our Play ... Leapes ore the vaunt and firstlings of those broyles, Beginning in the middle : starting thence aways To what may be digefted in a Play: Like, or finde fault, do as your pleasures are, Now good, or bad, 'tie but the chance of Warre.

"THE PROLOGUE!"

AA BB (C DD EE FF GG HH 17 LL

NN 60 PP Q Q RR SS TT WW

aa bb cc dd ee ff gg bb ii kk ll mm nn

oo pp rr ss st uu vv wd xx yy z

as Eteletet sisisis shish

st spsp ststst ususus

ACD HMPTT

aa b de ee hh ii ll m nn oo rr ss tt uu

IPI ee ghhloorru

EXAMPLES OF LETTERS CHANGED BY DOTS.

ачевипорихле

- THE ALPHABETS.

SHAKESPEARE FOLIO 1623

The Pr clogu elliTr cyThe relye sthe S ceneF romIl esofG reece The Pr inces Orgil loust aabab banaa aaaaa abbaa aaaba abaaa baaab baaab baaba aaaaa ababa aaaab aaaaa abbaa heirh ighbl codch afdHa ustot hePor tofAt henss entth eirsh ippes Fraug htwit hthem asabb aabaa basab aasba aabaa abbaa aasbb aabaa aasbb aabab basaa ahhab ababb basba inist ersen dinst rumen tsOfc ruell Warre Sixty andni netha twore Their Crown etsRe aabbb aabaa ababb abaaa aabba aabbb baaba babba aabaa baaaa abbab aabaa baaab gallf romth Athen ianba yPutf ortht oward Phryg iaand their vowie madeT orans ackeT abbab aabab baaba baaaa abbab babba ababa abbab baabb abaaa abbaa aaaba aaaaa abbaa roywi thinw hoses trong emure sTher auish dHele nMene laus? ueene Withw anton Paris asabb basas aabaa baabb aabaa basaa abaaa abbaa aabba baaba aabab aabaa basab aabaa sleep esand thats the Qu arrel 1ToTe nedos theyc omeAn dthed eeped rawin gBark edoth abbaa abbab aasab ababa aabaa aasaa abbaa aasaa baasa baasa baasa baasa baasa baasa eredi sgorg eThei rwarl ikefr autag enowo nDard anPla inesT hefre shand yetvn bruis aabbb abaaa aaabb abaaa abbaa aabbb abaaa baaab babaa baaaa abaaa abaaa abbaa edGre ekesd opitc hThei rbrau ePaui llion sPria mesix gated CityD ardan andTi mbria aabba baaab aabbb abbab ababb aabaa baaab abaaa ababa ababa abaaa aaabb Helia sChet asTro ienAn dAnte nonid uswit hmnss ieSta plesA ndcor respo nsiwe andfu baash asasa abbaa asabb abbab asabb babba basab basab asbaa babba abasa abbaa asaba Ifill ingBo ItsSt irrev ptheS onnes ofTro yNowE xpect ation tickl ingsk ittis hspir abasa abbba aabbb aabaa basaa babaa abasa baaba aabbb basba aabab aabaa aasaa aabaa itsOn onean dothe raide Trois nandG reeke Setsa 11onh azard Andhi thera mJcom eAPro abbaa aabaa abaaa aaabb abbab aabab baaba aabbb aabaa abbaa abbab aanab ababa aabaa logue armdb utnot incon fiden ceOfA uthor speno rActo rsvoy cebut suite dJnli kecon baabb abaaa baaaa aabba abaaa ababa abbba baaaa abaaa abbaa aabaa aabab aabab ditio neaso urArg ument Totel lyouf aireB chold ersth atour PlayL capes ereth evaun ababa aanna baaba abaaa abbaa abbaa abbab aabaa baaba baaab abaaa abbaa baaab aaaba tandf irstl ingso fthos ebroy lesBe ginni ngint hemid dlest artin gthen ceawa yTowh basaa abasa sasab abasa abbaa aabba baaba aabbb sabaa ababa sabaa baaba baaba sabaa atmay bedig ested inaPl ayLik corfi ndefa ultdo asyou rplea suree areNo wgood orbad baasa baasa baaba abbab aabaa ababa abaas babbb aasaa aasab aabaa baaba aabbb baasa tisbu tthec hance of War re aabab baaab baaba aaaaa

Deciphered Message

Francis St. Alban, descended from the mighty heroes of Troy, loving and revering these notice ancestors, hid in his writings Homer's Illiads and Odyssey (in Cipher), with the AEneid of the noble Virgil, prince of Latin poets, inscribing the letters to Elizabeth, R.

F. St. 4.

DESCRIPTIONS

of the characteristics

of the "a" and "b" form letters

in

"THE PROLOGUE"

The letters affixed by way of illustration have been photographed from the 1623 Folio in the Newberry Collection and have been enlarged to three and one—third the dimensions of the original, to facilitate the study of their characteristics.

For a description of the roman letters, which occur relatively infrequently, and of which there is often but one illustration on a page, the student is referred to the Appendix, where all the roman letters used in the I.M. and the Digges peems, the Prolegue, the Catalogue, and the Names of the Principall Actors, have been assembled.

UPPER CASE ITALIC LETTERS IN "THE PROLOGUE"

A Form

The typical letter is plain with high, straight bar. A kern or a dot in the letter changes it from a to b or vice versa.

Base tends slightly upward at left or is level. Width in the upper part less than in the b-form...

A long letter extending below the line.

Curved top and level base.

The line at the top horizontal and not parallel to the base. The kern nearly vertical and heavy.

Top line slender and only slightly slanting; not parallel to the seriph of the base.

The short upright line is nearly vertical.

No example.

Flain, resembling roman type.

Tall and slender. The base this thickens gradually toward ins wighter

Form

The typical letter is plain with a curved or slanting bar, as seen in the alphabet.

> Base tends downward at left, Width of upper part greater than in the a-form.

> > No example

No example

No example.

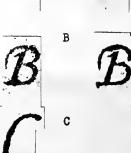
Top heavy and slants parallel to the seriph of the base.

The short line slants toward the base.

Slants and is light at left side. Left upper seriph slants upward slightly, the right soriph a little downward.

Curved top and curved stem with kern at base and a crossbar.

Somewhat heavier than the a-form. The base line is nearly uniform throughout; is not as well drawn as in the a-form.



D

E





















UPPER CASE ITALIC LETTERS IN "THE PROLOGUE"

A Form

Connecting line short.

The letter differs from the roman letter by the slant, and by rounded kerns on the heavy line.

Letter slanting, oval distinctly pointed at the base.

Slightly narrower than the b-form; has a nearly even curve in the top at the right.

Top oval pointed; long queue turns upward and is more grace-ful than in the <u>b</u>-form.

Level top, extending well to the left, ending in a rounded kern. Upright reaches to the top of the letter.

Wide; slanting; flat curves.

Curved top .

Erect; second and fourth strokes light; first and third heavy.



Connecting line long and extends below the line of writing. This is the distinctive difference between the two forms.

Oval top and bottom only slightly pointed. Letter well-made and nearly erect.

Near the middle of the loop the <u>b</u>-form is wider than the <u>a</u>-form, but the curve at the right flattens near the top.

Top oval broad; long queue somewhat awkwardly attached and turns downward at the left.

No example.

Erect; round curves.

Straight top; form resembles roman type.

A tall. well-made letter.

LOWER CASE ITALIC LETTERS IN "THE PROLOGUE TO TROILUS AND CRESSIDA"

đ

е

A Form

Typical a-form is well-made; the oval usually shows an angle or shoulder, and rounds gradually to the line of writing, making the letter somewhat wider at the base than the corresponding letter in the b-form; also the oval has the appearance of a complete o placed in such a way that a part of one side rests on the upright, and often projects sufficiently to give the stem the appearance of bending outward near the center.

Oval rounded at top; upright straight nearly to the base.

Roundness commences near top; curve at base usually wide.

Stem has no wave line, but sometimes turns slightly to the left at the top; foot upturned; loop leaves stem and rejoins it at a somewhat obtuse angle.

A line drawn through the loop of this letter beginning at the left of the oval where it leaves the stem and running through the opposite point of the oval, intersects the line of the end of the curve of the base produced either above or below the line of writing.

Letter slanted; straight top, or, if curved, showing a small neck at left.

B Form

Somewhat narrower at base than the a-form; oval pointed; upright is often either uniform or slightly heavier at top.
Letter slanted.

Note: The classification of the a in "six-gated" (line 15) has to be decided by the context.

Oval pointed at top and narrow at base.

Roundness commences near center of back; curve at base usually narrow-

Wave line in stem; angle between stem and top of oval acute; point of jointure below somewhat high on stem.

A line drawn through the loop of this letter beginning at the left of the oval where it leaves the stem and running through the opposite point of the oval, will run parallel to the line of the end of the curve of the base produced.

Letter stands nearly erect; top curved.

g

k

m

A Form

The lower loop is attached to the center of the oval; the connecting line usually heavy and angular.

The stem of this letter is characteristic; a line drawn upward through the loop so as to intersect it at the middle of the upper part of the curve tends pronouncedly toward the right.

In the typical letter of this class the base is usually rounded; the kerns do not correspond, that is, one will be straight and the other curved,

The typical letter of this class has the characteristic stem of the a-form, is broad and spreading at the base; the loop angular. The letter is usually broad and heavier than the b-form of k.

The typical letter of this class has the characteristic aform stem rounded into a small, close kern.

The second loop shorter at top and turns slightly to the right; width of loops nearly equal at base; top kern inclined to sharpness; kern at base usually close.

B Form

The lower loop is attached a little to the left of the center of the oval; the connecting line is usually thin.

The stem of this letter is not characteristic, unless, perhaps, slightly pointed at the base; a line drawn upward through the loop so as to intersect it at the middle of the upper part of the curve tends only slightly toward the right.

In the typical letter of this class, the kerns at the ends, unlike those of the <u>a</u>-form, whether curved or straight, show a correspondence with each other.

The typical letter of the b-form is somewhat light, narrow at base; the loop is slender and rounded; queue shows a wave line.

The typical letter of this class usually shows a elight wave line in the stem. The angle made by the kern and the stem is large.

Double letters are governed by the law of digraphs, not by that of single letters.

Nearly even at top; second loop wider at base than the first; top kern rounded, and corresponds to the kern at the base.

LOWER CASE ITALIC LETTERS IN "THE PROLOGUE TO TROILUS AND CRESSIDA"

n

р

8

A Form

Letter slanting; top kern inclined to sharpness; kern at base usually clear. The loop tends toward the tight at the top in the same manner as that of the second loop in the a-form of m.

There are many varieties of small o and it is difficult to assign them to their proper classes. The a-form letters show the slent characteristic of that form and are best classified by comparing them with the capital letter, which is less symmetrical than the b-form.

Stem of nearly uniform thickness throughout, or slightly shaded below the line of writing; loop shows only slight narrowing toward the base, but slants downward where joined to the upright.

Letter has the slant that is characteristic of the a-form. The first kern is small and tends to sharpness; the second kern is rounded. There is usually greater breadth at the top in the a-form than in the b-form. The two forms may be compared in "warre", (line 5).

There are long and short letters in both forms. The base in either case is nearly horizontal. The long s of the a-form is more slanting than in the b-form.

B Form

Nearly erect; top kern usually rounded; the two kerns correspond. The letter shows a wideness at the base corresponding to that of the second loop in the <u>b</u>-form of <u>m</u>.

If a line were drawn lightly along the inside of the capital o of the b-form it would show almost perfect symmetry. This appears also in all the well-printed lower-case letters of this form.

Stem often thick at top; loop joins the upright almost at a right angle.

The left is usually distinct and strong; the two differ only slightly. The upward stroke of the letter is usually strong and distinct. The letter is usually somewhat narrow at the top.

The long s of the b-form is usually upturned at the base and the slant of the letter is not marked. The short letter has the same characteristics.

LOWER CASE ITALIC LETTERS IN "THE PROLOGUE TO TROILUS AND CRESSIDA"

x

У

A Form

The a-form letter has a base like the small 1 of this class; the stem has the same slant as the 1.

The typical letter of this class has the slant of the a-form; the first kern straight; the second curved, or vice versa. The connecting line between the uprights is lower than in the b-form.

The rounded base is typical of both upper and lower-case letters of this form.

First point of base sharp, second point blunt. The letter is flat topped.

Wide; the kerns at the top and bottom of the light stroke are rounded.

Wide at top; a well-made lctter in this form.

No example

B Form

The characteristic <u>b</u>-form letter is well-made; the kern at the base is free and clear.

Letter nearly erect; the kerns correspond with each other. The connecting line joins the second upright at a higher point in the b-form than in the a.

The angular letter, like the second half of the tall w, is the typical letter in the b-form.

Both points of base sharp; first and third strokes on the left extend above the line of the body of the letter.

Narrower than the a form; the left kern at the base is not thick and rounded like the a form, but leaves the line at a somewhat sharp angle.

Narrow at top; second stroke bends toward the first.

Wide with long queue.

ITALIC DIGRAPHS IN "THE PROLOGUE"

The union of <u>a</u> having a sharp base with <u>s</u> having a narrow top, gives the combination "<u>aa</u>."

Care

as

No example

The union of a round backed c having a somewhat angular base, with a t that comes well down to the line with the slant characteristic of the a-form, gives the combination "aa."



ct



The union of a narrow <u>c</u> rounded at base; with <u>t</u> that bends slightly, gives the combination <u>bb</u>."

A well-made <u>f</u> having the slant of an <u>a</u>-form letter, joined at the bar with an <u>i</u> that is thick at the base, gives the combination <u>*aa.</u>"



No example

A well-formed <u>f</u> having the slant of the letter just described above, joined with a tall, angular <u>i</u>, gives the combination "<u>ab</u>".



fi



The union of an f more erect than the foregoing, having a head that bends well downward, with an i that is thick at the base, gives the combination ba

The union of a well-made i rounded at base, with an s having a narrow top gives the combination "an".



is

No example

The union of an i rounded at base with an s having a long top, gives the combination ab.



is

No example

The union of a delicate well-made a that is well rounded at the top with an h also delicate that has a marrow loop gives the combination"aa".



The union of a delicate long s well-rounded at the top with an h that shows a distinct widening of the loop at the middle point, gives the combination "ab".



The union of a long s reaching well out at the top, with an 1 of nearly uniform thickness throughout and a free foot, gives, the combination "ab".



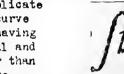
The union of a long a having the slant of the a-form and a wide top, with a p having a wellrounded loop, gives the combination aa.



The union of a long s having a wide top with p that has a loop very narrow at its base, gives the combination "ab".



The union of a delicate long s having a wide curve at the top with a t having a slanting bar and somewhat wide angle between the fort and the stem, gives the combi nation "aa".



The union of a delicate long s having a wide curve at the top, with a t having a bar nearly horizontal and a foot somewhat closer than the one described above. gives the combination "ab".



No example



The union of an s showing somewhat more strength than the preceding and having a flat top with an h that has a narrow loop, gives the combination "ba",

No example

No example.

No example.



The union of a long s having a narrow, curved head, with a t having a nearly horizontal bar gives the combination "bb".



The union of a somewhat strong letter e having a comparatively narrow curved top, with a t having an angular base, _ gives the combination "ba".



The union of a u having blunt kerne with an a wellrounded at top and flat at base.



THE CATALOGUE GROUP

In this group (pp.) is given a photographic copy of The Catalogue, placed at this particular point because of the information derived from the decipherment of the message enfolded. The motive actuating Francis Bacon in resorting to the use of a cipher is described in his own words. It is not difficult to understand how a youth of eighteen, burning with a sense of the injustice of a denial of the rights to which his royal extraction entitled him, would resort to the invention and use of a Cipher for conveying the claims which he feared to assert publicly. Such a proceeding might not be likely to eccur to a man of mature age, even in Bacon's time, when eighers were so much used. To a youth as he then was, the method of bequeathing to a literary executor such claims, would not be likely to suggest itself. Thus imagination plays no part here.

This group is completed by the addition of the alphabet, the decipherment, and the transcription.

At the end of this group (pp.) will be found full descriptions of the characteristics of each typical letter of both forms, and also of their respective variants. Letters which occur but once are naturally emitted from this list. The student is recommended to refer to this description as a means of familiarizing himself with the alphabet and with the type form illustrated in the group (pp.).

ACATALOGVE

of the seuerall Comedies, Histories, and Tragedies contained in this Volume.

COMEDIES.		The First part of King Henry the fourth. 46
The Merry Wives of Windsor. Measure for Measure.	20	The Second part of K. Henry the fourth. 74 The Life of King Henry the Fift. 69 The First part of King Henry the Sixt: 96 The Second part of King Henry the Sixt. 120 The Third part of King Henry the Sixt. 147
The Comedy of Errours. Much adoo about Nothing.	85	The Life & Death of Richard the Third 173 The Life of King Henry the Eight. 205
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The Merchant of Venice. As you Like it.	163	The Tragedy of Coriolanus. Fol. 1. Titus Andronicus.
The Taming of the Shrew. All is well, that Ends well.	208	Romeo and Juliet. 53 Timon of Athens. 80
Twelfe=Night, or what you will. The Winters Tale.	² 55	The Life and death of Julius Cafar. 109 The Tragedy of Macheth. 131
HISTORIES.		The Tragedy of Hamles. 152 King Lear. 283 Othello, the Moore of Venice. 210
The Life and Death of King John. The Life & death of Richard the Second	Fol. 1.	

"A CATALOGVE"

AACEG LOTV



CHT

aaddeef hhii ll mm nn oo rr ss strust

ACDEEGHIMOORR SSTV

a cc dd ee gghhiill min nn oo ss tt u

AA BB CC DD EE FF. GG HH IJ KK

LL MM NN 00 RR SS TT VV WW G

aa bb cc dd ee ff gg bh ii kk ll mm

nn oo pp. rr ss sf tt. uu wib xx yy

æ stststs st ususus

— THE ALPHABETS.—

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CATALOGUE OF THE SHAKESPEARE PLAYS

FOLIO 1623

ACMIA LOGVE of the sever all Co medie shist ories and Tr agedi escon taine dinth is Vol adaad aadaa aaaaa aaaaa dddad aaada ababa ababa dddda aadaa aadaa aadaa dddda umeCO MEDIE STHeT empes tFoli oThet woGen tleme nofVe ronaT heMer ryWiu esofW indso aabaa baaba baaba baaba baaba baaba baaba aabaa ababb aabaa baaba aabab aabaa rHeas urefo rHeas ureTh eCome dyofE rrour sMuch adoca boutN othin gLoue sLabo urlos bassa asasa abbas asabb abasa asasa ababb basba aabbb aabaa ababa asasa babas asbab thids ommer Night sDrea meThe Merch antof Venic eAsyo uLike itThe Tamin gofth eShre baabb ababa ababa aabbb aabaa abaaa baaaa aabaa baaba abbab baaba aabbb aabaa baaba wAlli swell thatE ndsWe lITwe lfeNi ghtor whaty ouwil 1TheW inter sTale HISTO RIEST aabbb banaa abbab abbaa aabaa aabab abaaa abbaa aaabb aabaa baaba aabbb aabaa aanba heLif eandD eatho fKing JohnF olThe life& death ofRic hardt hesec ondTh eFirs tpart babba abbba aabbb aabaa baaaa baaab banba abbab banaa abana aabaa ababb babba aaaab ofkin ghenr ythef ourth TheSe condp artof Khenr ythef ourth TheLi feofk inghe nryth abbab abbab abaab anbaa banab aaaba abbab abbaa baaba asana abaaa abbaa aabaa abana eFift TheFi rstpa rtofK ingHe nryth eSixt TheSe condp artof KingH enthe SixtT heThi baaba baaba aabaa ababa baaab aabba baaaa aabaa aanaa baaba baaab aabaa aaaba rdpar tofki ngHen rythe SixtT heLif eaDea thofk ichar dtheT hirdT heLif eofki ngHen baaaa aabaa baaba baaba aabaa baaba aabaa baaaa babba abbab aabaa aabaa abbab aabab rythe Eight TRACE DIEST heTra gedyo fCori olanu sFolT itusA ndron icusR omeoa ndJul babaa aabbb abaan aanba aabbb abaaa cabab abaaa ababb abbba aaaaa baana banba aabaa dot'll monof Athen sihel ifean ddeat hofju liusC aesar ThoTr agedy ofMac bethT heTra agabb abbab abbaa anbaa abbaa ababa babba babaa abbab baabb ababa agabb achab abbab gedyo flaml etKin glear Othel lothe Moore ofVen iceAn thony andCl copat crCym belin basaa aabab aabaa abaaa baaba ababb babba ababa abaaa aabab aabaa aabab aanab aanaa oKing ofBri taine

aaaba abbab abbaa

Deciphered Message

QueeneElizabeth is my true mother, and I am the lawfull heireto the throne. Finds the Cypher storie my bookes containe; it tells great secrets, every one of which (if imported openly) would forfeit y life.

DESCRIPTIONS

of the characteristics

of the "a" and "b" form letters

in

"THE CATALOGIE"

The letters affixed by way of illustration have been photographed from the 1623 Felia in the Newberry Collection and have been enlarged to three end one-third the dimensions of the original, to facilitate the study of their theresteristics.

For a description of the remen letters, which occur relatively infrequently, and of which there is often but one illustration on a page, the student is referred to the Appendix, where all the remen letters used in the I.M. and the Digges poems, the Prologue, the Catalogue, and the News of the Principall Actors, have been assembled.

UPPER CASE ITALIC LETTERS "A CATALOGUE"

A Form B Form Α First stroke longer than second, with slanting ser-No example iph; cross-bar straight. В Kern at top of stem slants downward; top narrow and loop No example slightly rounding. Base level. or turns slightly upward. Long letter with straight Short letter with short, top and long, curved base curved top. The letter gradualextending below line of writing. ly rounds toward base ending in short curve on the level of the line. D Kern at top of stem slants Kern at top of stem slants outward; base nearly level; downward; base narrow and kern at base slants downward. slanting; kern at base nearly straight. E The line at the top is Top and base lines parallel; horizontal and not parallel with the kern on the base line the base. slender and elanting outward. F Top slanting and not parallel Top heavy and slants parallel with seriph of base. with the seriph of the base. G The short upright line is No example nearly vertical. Н Resembles reman ype; ser-Slants more than the a iphs and cross-bar level. form and is somewhat taller. Seriphs not level. I Curved top and curved No example stem with kern at base and

a cross-bar.

UPPER CASE ITALIC LETTERS

A Form

The queue gradually thickens and curves as it leaves the stem, ending in a sharp kern turning slightly upward.

The letter is tall and heavy, with stem more slant-ing than the <u>b</u> form. The base is somewhat narrow near the stem, and slants slightly upward.

Curved kern at the right; third line light; seriphs at top and bottom of first stroke not parallel.

Connecting line short. The letter differs from a roman letter by the slant, and by rounded kerns on the heavy line.

No example

Level top, ending in a rounded kern. Upright reaches to the top of the letter.

Wide; slanting; flat curves.

Top and base not parallel.



K

L

M

N

R



B Form

The queue is of nearly uniform thickness ending in a blunt and nearly level kern.

Tall and light; the base line thickens gradually toward the right, with lower edge level.



Kern short, straight, and blunt at the right. Scriphs at top and base of first stroke parallel.

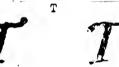
No example.



Slants; top and base nearly uniformly curved.

No example.

No example.



Top and base are parallel; rounded kern at right of top is either raised upright on a small stem or lies flat.

UPPER CASE ITALIC LETTERS "A CATALOGUE."

A Form

Curved; often described as bowl shaped.

79

U

B Form

No example

Slightly slanting; second and fourth strokes light; fourth stroke slightly curved and ending in heavy slanting seriph. First and third heavy. Second stroke joins heavy strokes at a point higher than in the b form.

Small and bowl-shaped, with straight bar at the left and curved at the right.

W

Letter erect; second end fourth strokes light; fourth stroke straight, ending in straight seriph.

No example

LOWER CASE ITALIC LETTERS "A CATALOGUE"

A Form

Well-made; the oval usually shows an angle or shoulder and rounds gradually to the line of writing, making the letter somewhat wider at the base than the corresponding letter in the bform; also the oval has the appearance of a complete o placed in such a way that a part of one side rests on the upright and often projects sufficiently to give the stem the appearance of bending outward near the center.

Oval pointed at top and narrow at base.

Roundness commences near center of back; curve at base usually narrow.

Stem has no wave line but sometimes turns slightly to the left at top; toe upturned; loop leaves stem and rejoins it at somewhat obtuse engls.

If the end of the curve of the base were prolonged, it would pass incide or outside the loop.

Letter slanted; straight top, cr, if curved, showing a small neck at left.

B Form

The b-form is somewhat narrower at base than the a-form; oval pointed; upright is often either of uniform thickness or slightly heavier at top. Letter slanted.

No example

Roundness commences near tcp; curve at base usually wide.

Wave line in stem; angle between stem and top of oval acute; point of jointure below, somewhat high on stem.

If the end of the curve of the base were prolonged it would form a perfect oval.

The letter stands nearly erect; top curved.

g

A Form

B Form

The lower loop is attached a little to the left of the center of the oval; the connecting line is usually thin.

8 3

The lower loop is attached to the center of the oval; the connecting line is usually heavy and angular.

The stem of this letter is characteristic; a line drawn upward through the loop, so as to intersect it at the middle of the upper part of the curve, tends pronouncedly toward the right.

h h

The stem of this letter is not characteristic, unless perhaps slightly pointed at the base; a line drawn upward through the loop, so as to intersect it at the middle of the upper part of the curve, tends only slightly toward the right.

Has the characteristic <u>a</u>form stem rounded into a small,
close kern.

The kerns at the ends, whether curved or straight, show a correspondence with each other.

Has the characteristic stem of the a-form; loop angular. It is broad, spreading at the base, and heavier than the beform.

g k

1

m

No example.

Usually shows a slight wave line in the stem. The angle made by the kern and the stem is large.

The typical letter of this class has the characteristic stem rounded into a small, close kern.

The second loop short at top and turns alightly to the right; width between the downward strokes nearly equal at base; top kern inclined to sharpness; kern at base usually close.

m

Nearly even at top; second space between the downward strokes wider at base than the first; top kern rounded, and corresponds to the kern at base.

Slatting; top kern inclined to sharpness; kern at base usually clear; loop tends to the right at the top in same manner as that of the second loop in a-form m.

a r

Nearly erect; top kern usually rounded; the two kerns corresponde the letter shows a wideness at the base corresponding to that of the second loop in b-form m.

a

8

A Form

There are many varieties of small o, hence difficult to classify. The slant is characteristic of the a form letters. Best classified by comparison with the capital letter, which is less symmetrical than the beform.

Stem often thick at top; loop joins the upright nearly at right angle.

The slout is characteristic of the a-form; the first kern is small and tends to sharpness; the second kern rounded. There is usually greater breadth in the a-form than in the b-form.

There are long and short letters in both forms. The base in either case is nearly horizontal. The long s of the aform is more slanting than the beform.

Has a base like the small $\underline{1}$ of this class, and stem of the same slant.

Has the slant of the a-form; first kern straight, second curved, or vice versa; connecting line between the uprights lower than in the b-form. The rounded base is typical of both upper and lower case letters.

Flat top; first point of base sharp, second blunt.

No example.

A well tade letter, wide at top.

B Form

If a line were drawn lightly along the inside of the capital O of the b-form, it would show almost perfect symmetry. This is the case also in all the well-printed lower case letters of this form.

Stem of uniform thickness throughout, or slightly shaded below the line of writing; loop becomes narrower, as it slants to join the upright. Dotted.

The letter is somewhat narrow at the top. The kerns differ slightly; both are usually strong and distinct.

The long s of the b-form is usually upturned at the base and the slant of the letter is not marked. The short letter has the same characteristics.

Well made; kern at base free and clear.

Letter nearly erect; kerns correspond. Connecting line joins the second upright at a higher point than in the a-form.

The angular letter is like the second half of the tall w.

Both points of base sharp; first and third strokes long and extend well to left.

Narrow; the left kern at base is not thick and rounded as in the a-form, but somewhat sharp.

Narrow; second stroke curves.

ITALIC DIGRAPHS IN "A CATALOGUE"

The union of a small but prominent loop of an a with a well-formed e, gives the combination ab.



No example.

The union of a wellmade long s with the slant
of the a form letters and
a t following a line parallel
to the body of this letter
and having a sharp foot, gives
the combination as "



The union of a long sperceptibly thickened in the lower half and a t likewise shaded, gives the combination bb"

The union of a long s having the slant of a form letters and t that is somewhat heavy at top and is more nearly erect than the s gives the combination "ab"



No example



There is also the union of a short s very narrow at top and with a well-shaded and well-rounded t that also gives the combination b.

The union of a wide topped <u>u</u> with a somewhat narrow <u>s</u>. gives the combination "<u>aa</u>."



The union of the tall and narrow <u>u</u> with an <u>s</u> somewhat broad at the top and rounded, gives the combination be.

No example



A somewhat narrow <u>u</u> joined with an <u>s</u> having the same characteristic, gives the combination <u>ba</u>.

THE NAMES OF THE PRINCIPAL ACTORS GROUP.

P. containing the Names of the Principal Actors is presented because of the fact that it is printed in type of a size different from that shown on the pages preceding. The type here is larger and cleaner cut, and the assignment of the letters to their respective groups is therefore an easier tank.

In this group, unlike those which precede, no decipherment is given.

The student is recommended to make use of p. , which is arranged for such decipherment, and to employ the accompanying alphabet in performing the work. The hidden message enfolded will be found sufficiently interesting to warrant and justify the labor involved in its decipherment.

At the end of this group (pp.) will be found a full description of the characteristics of each typical letter of both forms, and also of their respective variants. Letters which occur but once are naturally contited from this list. The student is recommended to refer to this description as a means of familiarising himself with the alphabet and with the type form illustrated in the group (pp.).

The Workes of William Shakespeare,

Tragedies: Truely set forth, according to their first 0RJGJNALL.

The Names of the Principall Actors in all these Playes.



Illiam Shakespeare. Richard Burbadge.

John Hemmings.

Augustine Phillips.

William Kempt.

Thomas Poope.

George Bryan.

Henry Condell.

William Slye.

Richard Cowly.

John Lowine.

Samuell Croffe.

Alexander Cooke.

Samuel Gilburne.

Robert Armin.

William Oftler.

Nathan Field.

John Underwood.

Nicholas Tooley.

William Ecclestone.

foseph Taylor.

Robert Benfield.

Robert Goughe.

Richard Robinson.

John Shancke.

John Rice.

"PRINCIPALL ACTORS"

STVVV

aa ee f hhiikk lmoopress

ACHAR



IIINPT

aa cc dd eef g hh ii mmnn oo p rr ss tr

nn oo rr s s tt u y fist ll

 \mathcal{A} BB \mathcal{C} \mathcal{E} \mathcal{F} \mathcal{F}

NOT RRISTTU WW

aa bb cc dd ee gg bh ii kk ll mm nn oo pp rr s

Is tt uu w x yy asas fi llllll sp stift AAGG FI LL NN 00 RR

- THE ALPHABETS.

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Ma Treeducan

SHAKESPEARE FOLIO 1623

"THE NAMES OF THE PRINCIPALL ACTORS"

The Workeso f Will iam Shakespearec ontaining all his Comedies Hi stori anaaa baaab abaaa baaab abbab ababb aabaa baaba abaaa ababb aabaa baaab esand Trage diesT ruely setfo rthac cordi ngtot heirf irstO RJGJN ALLTh abbba ababa aaaaa aaaba aabaa baaaa baabb ababa aabaa baaab aaaaa abbaa eName softh ePrin cipal lActo rsina llthe sePla yesWI lliam Shake spear anabb anabb ahaan bagan anban anaba banba ahaan ahbah abban banab ahaan eRich ardBu rbadg eJohn Hemmi ngsAu gusti nePhi llips Willi amKem ptTho abbaa abbab baaba aabbb aabaa baaaa aaaba abaaa abbba aabbb aabaa baaaa masPo opeGe orgeB ryanH enryC ondel lWill iamSl yeRic hardC owlyJ ohnLo basab babba abbab baabb ababb baabb baaba baaba baaba aabaa aabaa abaab wineS amuel 1Cros seAle xande rCook eSamu elGil burne Rober tArmi nWill aabaa aabab abbab baaaa baaba aabbb aabaa abbab baaba aabbb aabaa baaaa tamOs tlerN athan Field JohnU nderw oodNi chola sTool eyWil liamE ccles basab basab abbab abbab abbaa aabaa baaba abbab aasaa abaaa aaabb aabaa tone Joseph Taylo rRobe rtBen field Rober tGoug heRic hardR obins onIoh abasa abbaa bahaa banaa abaaa baaba abaaa abbaa aabba aabab baasa abbab nShan ckeIo hnRic e ashab baabb aabaa

As I sometimes place rules and directions in other ciphers
you must seeke for the others soone to aide in writing.

Fr. of Ve.

DESCRIPTIONS

of the characteristics

of the "a" and "b" form letters

in

"THE NAMES OF THE PRINCIPALL ACTORS"

The letters affixed by way of illustration have been photographed from the 1623 Folic in the Newberry Collection and have been enlarged to three and one-third the dimensions of the original, to facilitate the study of their characteristics.

For a description of the roman letters, which occur relatively infrequently, and of which there is often but one illustration on a page, the student is referred to the Appendix, where all the roman letters used in the I.M. and the Digges poems, the Prologue, the Catalogue, and the Names of the Principall Actors, have been assembled.

UPPER CASE ITALIC LETTERS IN "THE NAMES OF THE PRINCIPALL ACTORS."

A Form

The left stroke is long and curved, ending in a dot; the right stroke plain and finished with a straight seriph.

Has a rounded top which gives a flatness to the upper loop.

Large, and extends below the line of writing.

No example

The thin top and the seriph at the base are parallel; the cross-bar is very long

No example

Has slanting seriphs; higher in the middle of the letter.

Curved, with top and bar also curved.

No example

B Form

No example

Has a nearly horizontal top and well-rounded loops.

Short, and does not extend below the line of writing.

Resembles a script letter.

No example

Well made, and has a stroke extending below the line of writing.

Well made, with horizontal seriphs.

Plain, resembling the roman letter except that it is slanting.

Well made and somewhat delicate. The queue starts from the right upper stroke, at a point near but not touching the upright.













UPPER CASE ITALIC LETTERS IN "THE NAMES OF THE PRINCIPALL ACTORS."

A Form

B Form

Well made, with the base and seriph parallel.

No example

No example

A very graceful letter, with a long upturned queue.

A very regular oval, shaded more heavily on the left side.

No example

The top is curved, and the letter resembles the upper part of capital B of this form.

No example

Has the characteristic top of <u>B</u> and <u>P</u>. The queue is shorter than the <u>b</u> form and not sharply upturned.

Has a flat line at the top; the queue is long and turned upward.

Narrower at the top than the b form.

Has a wider and more angular top than the a form.

Broad and very flat at the top.

Not so wide as the $\underline{\mathbf{a}}$ form, and a more delicate letter.

Bowl shaped.

ט

No example

Well made and sharply pointed.

No example

SMALL UPPER CASE ITALIC LETTERS IN

"THE NAMES OF THE PRINCIPALL ACTORS."

A Form

The left eide of the letter commences in a small, curved kern and ends in an upturned foot; bar slightly slanting.

The top is long and only slightly curved; the base narrow; the seriph on the short upright extends well bayond the line.

The long form extending below the line of writing, and having a cross-bar and a curved top.

. No example

This is the short form of the letter. The connecting line between the uprights ends in short, curved kerns.

No example

The top commences in a rounded kern and is nearly horizontal. The stem extends to the top of the letter; the queue ends in a short foot, some distance below the line of writing.



A

B Form

No example

G

No example

I

No example

(8)

A delicate letter, wide at the base, the seriph and base not parallel.

N

No example

0

)

The letter is a perfect oval, and has the slant characteristic of the <u>b</u> form.

R

R

No example

LOWER CASE ITALIC LETTERS IN "THE NAMES OF THE PRINCIPALL ACTORS."

g

A Form

Slanting, somewhat wide at the base .

Has the slant of the <u>a</u> form letters; the oval is rounded at the top.

Well-rounded; if the lower line were produced to meet the top it would form a perfect o.

Well-made. The lower part of the stem and the oval make a somewhat sharp angle, the foot close. The stem is usually straight until it reaches the line of writing.

If the end of the curve of the base line were produced it would not form a perfect o.

Has a well-made o at the top and a large kern. The lower part is attached at the middle point of this oval.

Somewhat slender; the loop is narrow at the top and pointed.

The kerns at top and base correspond.

B Form

Shows a distinct shoulder at the top, and the oval makes an acute angle where it joins the stem.

Stands more nearly erect than the a form; the oval has a somewhat pointed top.

Stands more nearly erect than in the <u>a</u> form and is narrow at the bottom.

Has a wide loop and the angle between the loop and the stem is greater than in the <u>a</u> form. The stem turns slightly to the right at the base, and the foot is free.

If the end of the curve of the base line were produced it would form a perfect o.

Shorter and wider than the $\underline{\mathbf{a}}$ form, and less regular.

Less delicate; the loop is somewhat wide at the top.

The kerns at top and base do a correspond.

LOWER CASE ITALIC LETTERS IN THE NAMES OF THE PRINCIPALL ACTORS.

A Form

Slender and delicate; the queue not widely spread at base.

Shows a thickness in the stem extending to the kern at the base.

Usually a delicate letter; the right loop is not quite so high as the other.

Somewhat wide; the kern at the base free.

Usually well-made, shaded slightly more on the left than on the right.

The loop is narrow in the nottom part.

Somewhat broad at the top;

There are long and short orms of this letter. The long form is not well made; the stem as a wave line. The short form is urved at the top and nearly trained at the bottom.

B Form

Shaded from the top and in the queue. It is a somewhat heavy letter.

The stem becomes quite narrow before rounding into the kern at the base.

Has level loops; the kern at the base close.

Well-made; the kern at the base close.

Less regular, the top and base usually differing.

The stem is narrow at the top and widens slightly toward the base; the loop is broad at the top.

Not wide, and the kerns do not correspond.

The long form has a wide head and distinct foot. The letter is slanted.

No example of the short form.

LOWER CASE ITALIC LETTERS IN "THE NAMES OF THE PRINCIPALL ACTORS."

A Form

The stem is a wave line, the foot free.

Has corresponding kerns.

u i

Mag of our desployed at the

The stem is shaded from the top. The letter stands nearly erect.

B Form

The loop is rounded. The letter is somewhat narrow at the base.

Has the first point narrow, the second wide at the base.

The base of the letter is wide.

W

No example

No example.

A narrow letter with heavy kerns at the base.

Has an open top.

yy

Has the second stroke curved toward the first.

ITALIC DIGRAPHS IN "THE NAMES OF THE PRINCIPALL ACTORS."

The union of a narrow a, pointed at base, with an s having a round head and nearly horizontal base, gives the combination "aa".



8.5

No example.

No example.



The union of a rounded a not sharp at base, with an s having a round head and flat base, gives the combination "ba".

No example.



A well-formed f slanting very little, the greater part; of its length, joined with a delicate i with pointed base, gives the combination "ba".

The union of a delicate, well-formed long s with a somewhat heavier p with a rounded loop gives the combination "ab".



∫₽

No example.

No axample.



The union of two long e's slanting very little the greater part of their length and ending in distinct marks gives the combination "bb".



The union of a somewhat heavy s having a distinct foot, with a t rounded and wide at base, gives the combination "bb".

The union of a long s like we are yes described, and a leave to see the control of the second second



No example.

*		,	¥ 22
	·		
		v	
			ı
	A 3 1 1		
			-a

"THE NAMES OF THE PRINCIPALL ACTORS"

Arranged for Application of the Bi-literal Cipher

The Workeso f Will iam Shakesp eared ontaining allhis Comed iee Histori
esand Trage dies Truely set for that cording to their first RJGJN ALLTh
eName softh ePrincipal lactorsina lithe sePlayes WI lliam Shake spear
eRich ard Burbadg eJohn Hemmings Augustine Phillips William Kemptho
mas Poop George Bryan Henry Condel l William Shake spear
wine Samuel loros se Alexander Cook eSamuel Gilburne Robert Armin William Oseph Taylor Robert Benfield Robert Gougherichard owly John Lo

CONCLUSION

recording pages, showing its existence in the pages of the 1623 Felic Edition, and of the manner of its decipherment will not be confused with the discredited "discovery" by Ignatius Donnelly. Ignatius Donnelly professed to follow the directions laid down by Bacon in applying a Cipher, but he failed to carry out the very principles he gathered — and hence his failure. The strength of the Bi-literal Cipher lies in the fact that it is Bacon's oun. The "discovery" of the application consists only in the skill and patience which carrying out his directions necessitates.

WHERE IGNATIUS DONNELLEY FELL DOWN ON THE CIPHER. He failed to note the difference in the bi-form character of type, and missed the application.

THE CIPHER IN THE PLAYS.

510

Then take your interior epistle, reduced to the biliteral shape, and adapt to it letter by letter your exterior epistle in the biform character; and then write it out. Let the exterior epistle be:

Do Not go till I come,

Example of adaptation,

F L Y

aa bab ab abab a bba

Do not go till I come.

I add another large example of the same cipher—of the writing of anything by anything.

The interior epistle, for which I have selected the Spartan dispatch, formerly sent in the Scytale:

All is lost. Mindarus is killed. The soldiers want food. We can neither get hence nor stay longer here.

The exterior epistle, taken from Cicero's first letter and containing the Spartan dispatch within it:

In all duty or rather piety towards you I satisfy everybody except myself. Myself I never satisfy. For so great are the services which you have rendered me, that, seeing you did not rest in your endeavors on my behalf till the thing was done, I feel as if my life had lost MA, its sweetness, because I cannot do as much in this cause of yours. The occasions are these: Ammonius the king's ambassador openly besieges us with money, the business is carried on through the same creditors who were employed in it when you were here, etc.

I have here capitalized the words all and is, supposing them to be part of the sentence, "All is lost," but I am not sure that I am right in doing so. The sentence ends as above and leaves us in the dark. Bacon continues:

This doctrine of ciphers carries along with it another doctrine which is its relative. This is the doctrine of deciphering, or of detecting ciphers, though one be quite ignorant of the alphabet used or the private understanding between the parties: a thing requiring both labor and ingenuity, and dedicated, as the other likewise is, to the secrets of princes. By skillful precaution indeed it may be made useless; though, as things are, it is of very great use. For if good and safe ciphers were introduced, there are very many of them which altogether elude and exclude the decipherer, and yet are sufficiently convenient and ready to read and write. But such is the rawness and unskillfulness of secretaries and clerks in the courts of kings, that the greatest matters are commonly trusted to weak and futile ciphers.

I said to myself: What is there unreasonable in the thought that this man, who dwelt with such interest upon the subject of ciphers, who had invented ciphers, even ciphers within ciphers—that this subtle and most laborious intellect might have injected a cipher narrative, an "interior epistle," into the Shakespeare Plays, in which he would assert his authorship of the same, and reclaim for all time those "children of his brain" who had been placed, for good and sufficient reasons, under the fosterage of another?

CODE FOR THE BACONIAN BILITERAL CIPHER AN ALPHABET IN TWO LETTERS.

4						0	•
1					□ A a a a		a
2					■a a a		Ь
3					□ C a a a	b	a
4					■a a a	. b	Ь
5					□ Ea a b	a	a
6					■ Fa a b	a	Ь
7					□ G a a b	Ь	a
8		П			■ Ha a b		Ь
9					□I-Ja b a		a
					■ Ka b a		b
10	_					,	
11					□ La b a		a
12					■ M a b a		Ь
13					\square Na b b	a	a
14		-			■a b b	a	b
15		-			□ Pa b b	b	a
16					■a b b	b	b
17	<u></u>				□ R b a a	a	a
18	.vone.				Bb a a	a	b
19				- in	□ Tb a a	. b	a
20					■ U - Vb a a	ь	b
21				П	□ w b a b		a
					xb a b		b
					□ Y b a b		a
100	340		12			1	1
24					I b a b	Ь	b

CRIGINAL AND PHOTOGRAPHIC FACSIMILE EDITIONS

from which

The Bi-literal Cipher has been Deciphered

By ELIZABETH WELLS GALLUP assisted by KATE E. WELLS

Arranged Chronelogically under Names in which Books were Published

EDMUND SPENSER:	CEORGE PENE:
	THE TABLE
Shepherd's Calendar	The Arraignment of Paris 1584
(The first work in which the	David and Bethsabe
Bi-literal Cipher was used.	Sir Clyemon and Sir Clamydes 1599
Published anonymously but	
later in Edmund Spenser's name)	TIMOTHY BRIGHT:
Complaints	
Colin Clout 1595	A Treatise of Melanchely 1586
Fairy Queen	A Treatise of Melanchely (Second Ed.). 1586
Fairy Queen (Second Part) 1596	
Shepherd's Calendar 1611	BEN JONSON:
Fairy Queen 1613	
PARTER APPRIES.	Plays in Folio 1616
ROBERT GREENE:	AVEC COMPANY AND AND
The Mirror of Modesty 1584	CHRISTOPHER MARLOWS:
Planetomachia	71 1 Mr. 0 1
Euphues Morando 1587	Edward The Second
Perimedes—Pandosto	TOLINITE PLOON.
The Spanish Masquerade 1589	FRANCIS BACON:
The Spanish Masquerade (Second Ed). 1589	A Declaration of the Treasons of
A Quip For an Upstart Courtier 1620	Resex1601
the production of the same same same same same same same sam	Advancement of Learning1605
WILLIAM SHAKESFEARE:	Nevum Organia
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	The Parasceve
Richard The Second 1598	Henry The Seventh
Midsummer Night's Dresm,	Historia Venterum 1622
(Roberts Ed.) 1600	Historia Vitae et Nortie 1623
Midsummer Night's Dream	DeAugmentis Scientiarum (London Ed.) 1623
(Fisher Ed.) 1600	De Augmentie Seientiarum (Paris Ed.) 1624
Much Ado About Nothing 1600	The Essays 1625
Sir John Oldcastle 1600	The Apophthegues 1625
The Merchant of Venice	The Miscellany Works 1629
(Roberts Ed.) 1600	Cipher Message by W. Rawley
Richard, Duke of York 1600.	The New Atlantis
The London Prodigat 1605	Sylva Sylvarum (Preface by W. Rawley). 1635
Quartos King Lear 1608	The Felicity of Queen Elizabeth 1651
King Henry the Fifth 1608	Cipher Message by W. Rawley
Pericles 1609	Resuscitatie
Hamlet	Cipher Message by W. Rawley
Titus Andronicus 1611	List of the Lord Chancellors-
Richard the Second 1615	Resuscitatio
Merry Wives of Windsor 1619	Cipher Message by W. Dugdale
Contention of the Houses	DODER BITERON.
of York and Lancaster 1619 Pericles	ROBERT BURTON:
	Anatomy of Melancholy 1628
Yorkshire Tragedy 1619	vita edula er watemental.
Romeo and Juliet, no date	
The First Folio	

# CIPHER WRITINGS

# Thirteen Plays as follows:

# Five Histories:

The Life of Elizabeth

The Life of the Earl of Essex

The White Rose of Britain

The Life and Death of Edward Third

The Life of Henry the Seventh

# Five Tragedies:

Mary Queen of Scote

Robert The Earl of Essex (my late brother)

Robert the Earl of Leicester(my late father)

The Life and Death of Christopher Marlowe

Anne Bullan

# Three Comedies:

Seven Wise Men of the West

Selemen the Second

The Mouse Trap

History, in prose commixt with verse, of England and a few Englishmen.

Story in verse of the Spanish Armada.

Bacon's own story of his life in which Margusrite Valois figures.

A number of short peems in French, written for Marguerite, form a part of the story of Bacon's life in France.

Life of Robert Greene

Two Secret Epistles, expressly teaching a cipher.

Completion of the New Atlantis

A Pastoral of the Christ

Bacchantes, a fantasy

# Three Notable Translations:

The Iliad (Honer)
The Odyssey (Honer)
The AEneid (Virgil)

The Eclogues and a few short poems

(Virgil)

# Deciphered from THE PLAY OF SEJANUS, Edition of 1616, by the Bi-Literal Cipher by Mrs. Elizabeth Wells Gallup.

. . . .

Question, or some other form or manner of inquiry, and answer are your wordsigns by which you may worke out my secret story herein co'cealed. This story concerns some of the chief personages of th' realme, first of all, our late despised
parent, th' cause and th' renewer o' th' ills that we endured. My sole object doth
appear in this later work--the play of Sejanus.

None know half so well as I, th' underplay carried along in court in order t' secure my withdrawall from an unexampled field, wherein a mother strove against a sonne whose right to th' succession to th' throne she did ignore and co'stantly avoid. Her unbending sterne temper, strong in death, set the seal upon my future as on my past life, since her will was th' law governing both. My owne spirit alone doth atteste how potent for good or for ill the dicta of such a woman may bee.

Here alone is that long epistle to my to-bee decipherer that must be most observed in this worke. Seeke it out. Take my keies and unlocke my inner chamber. There will my hidden secrets be revealed fully, that he that shal willinglie lift the heavy vaile, should now ope th' treasure-casket which contains th' story of my life, as well as my late brother, his death. It is ev'n with wrought-ores thickly covered: gems rare and costive shine upon its sides: in the small room within you will find uncounted treasure, riches beyond your dreames of earthlie acquisition. The whole shall be the reward of my decypherer and will repay most generouslie his entire devotion to this labour.

As I have said, our newe designe shall give much pleasure, while it so amplie rewardeth the true worker. Seeking after any learning is a pleasure; seeking after what is hidden, a delight, --none see pure--forever springing up in fresh joy, as th' water of a meadowe spring gueheth forth to th' light.

My next work is not begun here; much of it shall bee found in the playes of Shakespeare which have not yet come out. We having put forth a numbe' of plays i' his theatre, shall continue see doing since we doe make him th' thrall to our will. Our name never accompanieth anie play, but it frequently appeareth plainly in Cypher for witty minds to translat' from Latin and Greeke. As this is never seen, the secret still remained inside its treasure-house unsought of every one. This is yet hidden as in dim shadowy mists, but soone shall you have the whole of th' most worthy parts of this cypher-writing, wrought much more finely than gold.

FRANCIS BACON

In Book I., where the priest Chryses "was evilly dismissed by Agamemmen," the bi-literal gives the scene thus:

"And the Priest, in silence, walked along the shore of the resounding sea. After a while with many a prayer and tear the old man cried aloud
unto Apollo, and his voice was heard."

In the fuller, word-cipher translation this reade:

"The wretched man, at his imperious speech, was all abashed, and there he sudden stay'd, while in his eyes stood tears of bitterness. The resounding of the sea upon the shore Beats with an echo to the unseen grief That swells with silence in the tortur'd soul. Apart upon his knees that aged sire Pray'd much unto Latona's lordly sen:

"Hear, hear, 0 hear, god of the silver bow!
Who'rt wont Chrysa and Cilla to protect,
And reignest in this Island Tenedos,
If ever I did honour thee aright,
Thy graceful temple aiding to adorn,
Or if, mereover, I at any time
Have burn'd to thee fat thighs of bulls and goats,
Do one thing for me that I shall entreat—
O Pheebus, with thy shafts avenge these tears."

A little farther on, after Achilles had summoned a council and charged Calchae to declare the cause of the pestilence, there is a hot altercation between Agameumon and Achilles that even Nester could not quell. A part of it is rendered thus:

To whom Atrides did this answer frame:
"Full true thou speak'st and like thyself, yet, though
Thou speakest truth, methinks thou speak'st not well.
It is because no one should sway but he
He's angry with the gods that any man
Goeth before him; he would be above the clauds,
His fortune's master and the king of men,
And here is none, methinks, disposed to yield:
For though the gods do chance him to appoint
To be a warriour and command a camp,
Inserting courage in his noble heart,
Do they give right to utter insults here!"

There interrupting him, noble Achilles Answer'd the king in few words: "Ay forsooth! I should be thought a coward, Agamemon, A man of no estimation in the world, If what you will I humbly yield unto, And when you say, 'Do this,' it is perform'd. I, for my part—let others as they list—I will not thus be fac'd and overpeer'd. Do not think so, you shall not find it so: Some other seek that may with patience strive With thee, Atrides; thou shalt rule no more O'er me."

by H. H. MacCrackon, Ph. D. F. E. Fierce, Ph. D.

W. H. Durham, Ph. D.

YALE UNIVERSITY.

Published by THE MACHILLAN CO., Dec. 1915.

# CHAPTER XII

# THE PLAYS OF THE THIRD PERIOD-TRAGEDY

The Second and Third periods slightly overlap; for Julius Cesar, the first play of the later group, was probably written before Twelfth Night and As You Like It. But the change in the character of the plays in these two periods is sharp and deeisive, like the change from day to night. Shakespeare has studied the sunlight of human cheerfulness and found it a most interesting problem; now in the mysterions starlight and shadow of human suffering he finds a problem more interesting still.

The three comedies of this period, partly on account of their bitter and sareastic tone, are not widely read nor usually very much admired; but the great tragedies are the poet's finest work and seareely equaled in the history of the world.

Troilus and Cressida. — Here the story centers around the siege of ancient Troy by the Greeks. Its hero, Troilus, is a young son of Priam, high-spirited and enthusiastic, who is in love with Cressida, daughter of a Trojan priest. Pandarus, Cressida's uncle, acts as gobetween for the lovers. Just as the suit of Troilus is crowned with success, Cressida, from motives of poliey, is forced to join her father Calchas, who is in the camp of the besieging Greeks. Here her fielle and sensuous nature reveals itself rapidly. She yields to

# THE PLAYS OF THE THIRD PERIOD 17

the love of the Greek commander Diomed and promises to become his mistress. Troilus learns of this, consigns her to oblivion, and attempts, but unsuccessfully, to take revenge on Diomed.

While this love story is progressing, meetings are going on between the Greek and Trojan warriors; a vivid picture is given of conditions in the Greek eamp during the truee, and particularly of the insolent pride of Achilles. The story ends with the resumption of hostilities, the slaying of Heetor by Achilles, and the resolution of Troilus to revenge his brothex's death.

fools who are cheated and knaves who cheat. Some pessimistic mood, with the sardonic laughter of a disappointed, world-wearied man. Others, on rather doubtful grounds, believe it a covert satire on some of meant by this play. If it is a tragedy, why do the hero and heroine meet with no special disaster at the end, and why do we feel so little sympathy for the misfortunes of any one in the play? If it is a comedy, and why does it end with the death of its noblest minor character and with the violation of all poetic ustice? From beginning to end it is the story of dis-Illusion, for it sorts all humanity into two great classes, beople think that Shakespeare wrote it in a gloomy, why is its sareastic mirth made more bitter than tears, It is very difficult to understand what Shakespeare Shakespeare's fellow dramatists. Authorship.—It is generally agreed that a small part of this play is by another author. The Prologue and most of the Fifth Act are usually considered non-Shakespearean. They differ from the rest of the play in many details of vocabulary, meter, and style.

# 174 AN INTRODUCTION TO SHAKESPEARE

Date. - Troilus and Cressida must have been written before 663, for in the spring of that year an entry in regard to it was nade in the Stationers' Register. It must have been written after 1601, for it alludes (Prologue, 11. 23-25) to the Prologue of onson's Poetaster, a play published in that year. Hence the late of composition would fall during or slightly before 1602. The First Quarto was not published until 1609.

ative poem Troilus and Criseyde by Chaucer. Contrary to nis custom, Shakespeare has degraded the characters of his orignal, instead of ennobling them. The camp scenes are adapted from Caxton's Recuyell of the Historyes of Troye; and the challenge of Hector was taken from some translation of Homer, probably that by Chapman. An earlier lost play on this subject We do not know whether Shakespeare drew anything from it or not. Scattered hints were probably taken from other by Dekker and Chettle is mentioned in contemporary reference. sources, as the story of Troy was very popular in the Middle Sources. - The main source of this drama was the nar-

temptible scoundrel, forgives his rebuffs, compromises her own dignity to win his affection, and finally peris the result a romance or a tragedy? This is a nice question; and by the answer to it we must determine whether All's Well That Ends Well is a romantic All's Well That Ends Well. - When a beautiful and noble-minded young woman falls in love with a consnades him to let her throw herself away on him, comedy like Twelfth Night or a satirical comedy bitter as tragedy, like Troilus and Cressida.

he neither suspects it nor returns it. She saves the the kindly old Countess of Rousillon, and cherishes a deep affection for the Countess's son Bertram, though ife of the French king, and he in gratitude allows her Helena, a poor orphan girl, has been brought up by

# THE PLAYS OF THE THIRD PERIOD

ords of France. Her choice falls on Bertram. Being 500 politic to offend the king, he reluctantly marries her, but forsakes her on their wedding day to go to the wars. At parting he tells her that he will never acsept her as a wife until she can show him his ring on her finger and has a child by him. By disguising herself as a young woman whom Bertram is attempting so seduce, Helena subsequently fulfills the terms of his hard condition. Later, before the king of France she reminds him of his promise, shows his ring in her possession, and states that she is with child by him. repentantly accepts her as his wife; and at the end o choose her husband from among the noblest young The count, outwitted, and in fear of the king's wrath, Helena is expected to live happily forever after.

Disagreeable as the plot is when told in outline, it is redeemed in the actual play by the beautiful character given to the heroine. But this, while it vastly tones down the disgusting side of the story, only increases the bitter pathos which is latent there. The more lovely and admirable Helena is, the more she is unfitted for the unworthy part which she is forced to act and the modern thinker could easily read into this "comedy" man with whom she is doomed to end her days. A the world-old bitterness of pearls before swine.

Meres in 1598; and many think that this was the present mention of such a play as All's Well That Ends Well before speare's called Love's Labour's Won is mentioned by Francis comedy under another name. However, the meter, style, and mood of most of the play seem to indicate a later date. The the publication of the First Folio in 1623. A play of Shake-Date. - No quarto of this comedy exists, nor is there any

# THE CHALLENGE OF HECTOR

A Portion of the Translation of Homer's ILIAD

Deciphered by Elizabeth Wells Gallup

by means of Sir Francis Bacon's WORD CIPHER

The rules for which were obtained

Through his

### BI-LITERAL CIPHER

and embracing the passages from the play of

### TROILUS AND CRESSIDA

referred to by Professor F.E. Pierce in "An Introduction to Shakespeare" (1915) as having been "cribbed" from some translation of Homer, probably that of Chapman.

"Hearken to me! my words come from my breast,

I speak what's in my heart -- Trojans and Greeks -
For these known evils are indeed nought else,

To the expecters of our Trojan part,

Whose vow is made, and to each Lord of Greece,

But the protractive trials of King Jove,

Who in this dull and long-continued truce

Would find persistive constancy in men,

Till Troy be taken or yourselves be vanquish'd.

If there be one amongst the fair'st of Greece, That holds his honor higher than his ease. That seeks his praise more than he fears his peril. That knows his valor and knows not his fear. To him this challenge-Jove bear witness to to If any come, and by my mortal sword His blood be drain'd, Hector shall honor him. His armor-I'll unlock the rivete all. And frush it, but I will be master of it. And bear't to Ilium, to Apollo's temple. Yet shall his corse be sent unto the Greeks (They who are wont in large-spread hair texceed) That they erect on Hellespont a barrow. In view o' th' sea for men to gaze upon. A tomb wherein his corpse shall be interr'd. And that hereafter ages may behold Where lies the champion Hector's hand did slav. My honor and the greatness of my name Shall be eternal, for this shall be told.

If to my sword his fate be not the glory,

If he slay me, mine armor riveted

He to the hollow vessels shall but bring,

And triumph in the spoils of Priam's son.

But that I shall not lose the dues of greatness.

Of burning in my death—give back my body,

That Trojans and the dames of Troy may bring

Hector with triumph home unto his house.

### APPENDIX

DESCRIPTZONS

CHARACTERISTICS

of the "a" and "" forms ...

Of Roman Letters and Digraphs of all Sizes

### INITIAL LETTERS.

The ornamental skeleton initial S of the "L. Digges" poem, initial T of "A Catalogue" and initial W of "The Names of the Principal Actors" are all of the a-form. The initial double V of the "I. M." poem is a single character of the b-form, and the solid initial I of "The Prologue" is a-form.

In each of these cases the significance of the letter was determined by the context.



P.A.



Dig.



Cat.



#### ROMAN TYPE IN TITLES

The roman type used in the titles, and in the poems themselves for the names of persons and places, is in five sizes. The largest was used in "A CATALOGUE."

### A Form

Has a heavier line at the left than the b-form, and the width at the bar is greater. -Cat.



 $\mathbf{E}$ 

L

#### B Form

Is well-made. The right seriph at the base is curved. --- Cat-

Is a clean-cut, wellmade letter, in height corresponding to the other b-form letters. Cat

The upper and lower lines not parallel; both kerns slant outward. -Cat.

No example

No example



The letter is much broader at the top than the C which is b-form .- Cat.



No example

. The seriph and base are not parallel. The kern corresponds to the upper kern of E of the b-form. __Cat.

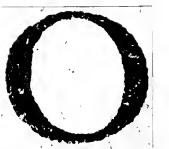
No example

### ROMAN TYPE IN TITLES UPPER CASE

### A Form

Has the breadth of the <u>G</u> in the <u>"a"</u> form and is shaded at the left in the same menner.

In Cat.



B Form

No example

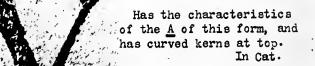
No example

No example



The stem of the letter is the same as the <u>L</u> of this form, and the kerns have the same character.

In Cat.



#### ROMAN TYPE IN TITLES

The second size has both upper and lower-case letters and is used in the first line of the "Digges" poem, "The Prologue", and "The Names of the Principall Actors".

### A Form

Has a wave line at top and base.-Dig.





### B Form

Has straight lines at both top and base.
The letter is well-formed.
--- Dig.

Has curved seriphs at bace; at the top the scriphs are slanted, making the letter higher near the middle.— Dig.



Н

No example.

The letter has the height and thick-ness of the stem of the E of this form.—Dig.



I

No example.

The seriphs at the top resemble those of the H of this form. The second upright is alender; the third line of uniform thickness throughout.—Dig.



M



The seriphs at top and base at the right are horizontal and parallel. The second upright is somewhat heavy; the third line is shaded at the top — Dig.

Is well-made; slightly pointed at the base. Big.



0

No example.

#### ROMAN TYPE IN TITLES

Somewhat heavy. The top resembles that of the R of this form. Pro.



P

No example.

Wave line shows in top. Lower part wide, and queue thick at the end.— Dig.



R

No example.

Is well-formed, somewhat delicate. Curves at top and base; base nearly equal.



S

No example.

Kerns at the top do not correspond. The letter marked b has an accent across the right kern.—Dig.&



T

No example. The letter marked <u>b</u> is so marked because, although the kerns do not correspond, it has an accent across the right kern.—Dig.

The first stroke is not wide; the second is short. The seriphs at the top of the second V are slanted in such a way that the greatest height is near the middle.—P.A.



The two heavy strokes correspond; the second stroke turns to the left. The scriphs at the top all slant downward toward the right. P.A.

а

### A Form

Is well-made, and wide at top. The lower part of the loop turns upward, making an acute angle with the stem at the base.—P.A.

a

a

A narrow letter not be well-made. The lower part of the loop runs parallel to the upper part, and makes a larger angle with the stem than the a form.—P.A.

A broader and bettermade letter than the <u>b</u> form.— Pro. & <u>P.A.</u> C

C

Narrow. The top turns downward, giving the letter the appearance of falling toward the right.— Pro. & P.A.

Slender and delicate. The top has a wide curve and resembles the long g.—P.A.



f

No example.

The kern at the top is nearly in line with the upper part of the oval. The lower part is joined to the upper by an angular line at the extreme left.—Pro.



g

N o example.

Somewhat heavy but very clear.—P.A. & Pro-



h

h

Delicate. The seriphs at base differ in form and direction.— P.A. ROMAN TYPE IN TITLES
Second Size-Lower Case

Vide at top, but becomes more slender toward
the base. The dot is
small and placed well toward the right.—P.A.

1 1

Slender and delicate. The dot is large and placed toward the left.—P.A.

Has the characteristics of the <u>h</u> in this form— heavy yet clear. The stem lessens in thickness toward the base.—P.A.



A delicate letter, appearing taller than the aform. The stem is of uniform thickness throughout.
--P.A.

The single letter is somewhat heavy at the top, growing smaller at the base.— Pro. & P.A.



No example.

bide, but very clean-cut and well-made -- P.A.



No example.

Shows a point at the top a little toward the left side.— P.A. & Pro.



O

Somewhat flat at top and base -- P.A. & Pro.

#### ROMAN TYPE IN TITLES

#### Second Size--Lower-Case

A Form

No example.

Narrow, with the right kern tending abrupt-ly downward. The r of Prologue is accented.--P.A.

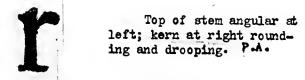
There are long and short forms. The long s is like the f of this form without the extension of the bar at the right. The short s has the curve at the base broader than that at the top.— P.A.

Somewhat heavy, but very well-made. Its kerne do not correspond in eize.— Pro-



### B Form

A well-rounded loop at tached to a slender etem.—



No example.

No example.

### A Form

n is

A broad letter, the bar not heavy. --P.A . & Dig.



A well-made letter, large and well-rounded, P.A. & Cat



A broad well-made letter with horizontal seriphs.—
P.A. & Cat.



Has a very heavy second stroke and a more slender upright. —Dig.



Well-made and clean-cut-



No example



Third Size -- Lower Case

Well-made. The lower line of the loop tends up-ward and makes a sharp angle with the stem. -Dig., P.A. & C at.

Clean-cut. The kerns do

not correspond in shape or direction. -- P.A . & Cat.



at.

Large and clean-cut, with good curves. -- Dig.



B Form

No example.

No example

No example

No example

No example

Somewhat narrow; not cleancut. __P.A.

No exemple

Somewhat narrower and flatter at the base of the loop. The stem extends below the loop at the right. ___ PA.

The top reaches well over the curve at the base. The letter is not so wide as the a-form.— P.A.

#### A Form

The stem runs straight to the line of writing and terminates in a distinct, nearly horizontal foot. The loop joins the stem at a low point at the base. -- Dig & Cat - P.A.

The bar nearly level; the base curves wide. In the Comedies the forms were exchanged, the single letter used as a <u>b</u>-form having a level bar and widely-curved base.—Dig., P.A. & Cat.

Well-made and cleancut. The bar extends well to the right. — P.A., Cat. & Dig.

No example

Clean-cut. The seriphs horizontal; the right seriph somewhat shorter than the left.Dig., P.A. & Cat.

Not remarkable in any way and appearing to be classed with similar letters of the a-form, such as 1, the stem of the retc. — P.A. & Cat.

Tall and slender; the stem sometimes tapers slightly toward the base but is often of uniform thickness throughout. — P.A. & Cat.

Clean-cut, symmetrical with wide curves -- P.A. & Cat.









h

1







#### -B Form

The stem turns slightly to the right at the base, and terminates in a short, close foot. The loop rounds into the stem and makes an acute angle with the stem.

Dig. & Cat. t. P.A.

The bar tends slightly downward; the curve at the base somewhat narrow.

Dig. & P.A.

No example

The top is evenly shaded on the sides; the lower loop attached well toward the left side.__ P.A.

A somewhat heavier letter than that of the a-form; the second seriph tends downward making the letter appear long on the right side — P.A. & Cat.

Well-made; somewhat slender and delicate, slightly taller than the <u>a</u>-form letter.— Dig., <u>P.A.</u> & Cat.

Somewhat heavier than the a-form; the stem narrows slight ly half way between the top and the base. -- P.A. & Ct.

The left curve leaves the stem at a high point giving the first curve a flat appearance. The last seriph tends slightly downward at the right. - P.A.

ROMAN TYPE IN TITLES Third Size -- Lower Case.

### A Form

Well-made, but somewhat heavy. The stem is like the letter <u>i</u> of this form--P.A.

n n

The letter is slightly pointed at the left side at the top. — Dig., P.A. & Cat.

O O

Somewhat wide and flat appearing at the top; the stem is like the <u>i</u> of this form.
Dig., P.A. & <u>C</u> at.

rr

In the single letters there are both long and short forms—
the long resembling the <u>f</u> of
the same class without the projection at the right which forms the
bar of that letter. The short
form has narrower curves at the
top than the <u>b</u>-form.—<u>P.A.</u> & Cat.

S

The most striking characteristic is the curve of the base. Dig.

7 1

Но екимерте

Fourth Size-Upper Case.

Broad, with cross-bar placed high.--Cat.

A a

\ \

B Form

Slightly taller than the a-form. The stem has the characteristics of the b-form i. The second seriph tends downward at the right.—P.A. & Cat.

A very symmetrical letter, large and well-rounded -- P.A.

Slender and well-made; the top turns downward at the right. __ Cat.

The long form occurs only in the digraph "st". The wide curve that would characterize the single letter is retained, the point where the t commences being plainly seen. The short form has wide curves, and is a well-formed letter. -- P.A.

The letter is somewhat heavy; the base a curve on one side only, finishing in a short straight line.—P.A. & Cat.

A wide letter; the top seriphs slant upward at the left__Dig.& Cat.

No example

Very light at the right, well shaded at the left.-Cat.

No example

### A Form

Broad, elightly irregular .-Dig. & Cat.

The lines at the top and base are not parallel; the kerns do not correspond --- Cat.

The curve at the top is somewhat flattened; the upright noticeably long. -- Cat.

Broad: the seriphs at the top slant upward in such a way that the letter is highest near the middle -- Cat.

Simple and plain like the uprights of the H -- Cat.

The letter is not wide at the base, but the slanting toe being long gives it a wide appearance. -- Dig.

Large and heavy. There is no kern at the top of the second upright .- I.M. & Cat.

Slightly pointed at left of top. -- Cat.



E

No example

Form



The lines at the top and base run parallel; the kerns are both shaded. ___Cat.

No example

No example

No example

No example

No example



Top a regular curve; a point shows at the base.

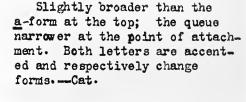
## ROMAN TYPE IN TITLES Fourth Size-Upper Case.

#### A Form

The top is scnewhat narrow; the queue broad where it joins the loop. -- Cat.







B Form

Well-formed; somewhat broad near the base; both kerns vertical. -- Dig.



A little smaller than the a form; the upper kern slanting. — Cat.

A plain, simple letter, with the top and the seriph parallel, the former usually a thin line. — P.A. & Cat.





Usually heavier than the a form. The top shades somewhat heavily into the kerns, and is not parallel to the seriph at the base.— I.M.

Clean -cut and well-made; the left seriph is curved. -- Cat-



No example

No example.



This letter is a union of two <u>V</u>'s, the first losing a seriph by the union. The first stroke is heavier than the third. — Dig.

## ROMAN TYPE IN TITLES Fourth Size--Upper Case--Small Caps.

A Form B Form No example Plain, not well-made .- Dig. E The top and base are not The top and base lines parallel. -- Dig. parallel -- Dig. H A well-made letter; seriphs No example parallel. -- Dig. K The letter is somewhat narrow. The second seriph No example. placed far toward the left at base .-- Dig. P The top tends downward at No example the right .-- Dig. R Level at top unlike the aform P with which it may be No example contrasted; the queue short and blumt. -- Dig. S The letter is so slanted that it has the appearance of No example an Italic letter. The top is narrow. --- Dig.

Fourth Size -- Lower Case

a

Broad, well-made; the loop curves unward at the base, making an acute angle with the stem.

--P.A. & Cat.



No example

### A Rorm

The top is a regular curve. The letter is taller than the corresponding letter of the b-form.—P.A. & Cat.

Somewhat slender and delicate. The loop is not so well rounded toward the base as the <u>b</u>-form letter. --<u>P.A.</u> & Cat.

The letter is wide, slender, the bar horizontal _I.M., P.A. & Cat.

A well-made letter, the curve at the top somewhat wide.—
I.M. & P.A.

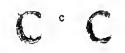
The most marked feature is prominence at the left of the connecting line between the loops. — Dig. & Cat.

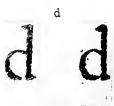
The letter is somewhat heavy, and is wide at the top of the loop.—I.M., P.A. & Cat.

The kern is sharp and prominent, giving the letter an unnatural appearance.

I.M., Dig., P.A. & Cat.

Small at the top and widening at the base. - P.A. & Cat.















### B Form

The top and base are somewhat shallow curves. --P.A.

The stem is of uniform thickness throughout; the foot short and straight. The loop joins the stem at a low point.—Dig., P.A. & Cat.

Somewhat heavier than the a-form usually; well-rounded; the bar slightly slanting.—

..., P.A. & Cat.

No example.

The lower loop is connected by a curved line. -- P.A.

The letter is somewhat more delicate than the a-form and is wide at the base.—
P.A.

Well-made and regular, but somewhat heavy-P.A. & Cat-

Shaded from the too; quite narrow at the base -- P.A.

A Form

B Form

The first curve at the top leaves the stem at a high point.. I.M. & Cat.

A somewhat irregular letter the uprights not corresponding in height or in length of seriphs.—
—P A.

Slightly irregular in outline. — I.M., P.A. & Cat.

Wide at the top; well-made.
--I, M,, P.A. & Cat.

The letter has long and short forms. The long form has a wide curve at the top and a slender stem. The short form has narrow curves, ending simply. —P.A. & Cat.

There are several variants but all curve upward at base and are somewhat narrow__I.M., P.A. & Cat.

The letter is usually heavy; the curve at base runs into the stem at a low point; left scriph shorter than the right.—
P.A. & Cat.

Top broad; stem short with no curl at foot; stem ends at top in slanting seriph. — P.A.

n n

1

S

t

u

U

Y

The curves are regular; the scriphs at the base slant downward in a regular succession. — I.M.

Well-made; a regular curve at the top, and horizontal seriphs. -- P.A. & Cat.

The letter is tall and somewhat heavy, but well made-

Narrow; not particularly well-formed. — P.A. & Cat-

No long form of this class is used. The short letter has shallow curves at top and base, and shows distinct markings at the ends of the letter. -- P.A.

The letter is very wide and flat at the base . _ ?...

No example

	Fifth Size-Upper Case.	
A Form No example	A A	B Form  Clean-cut, narrow, bar slightly slanting Pro.
Plain and heavy, kern at the top verticalPro.	C	No example
A heavy letter showing no light lines Pro.	<b>D</b>	No example
Top and base not horizontal I.M.	E	No example
No example	H H	Somewhat tall and also wide between the uprights; well-made Dig. & Pro.
Plain; well-made	Ī	No example.
A very heavy letter; there are no light lines; the seriphs unlike Pro.	M	No example.
Not at all well-made, the fourth line being curved outward.— Dig.	N	No example.
Somewhat narrow at the top; not otherwise marked. —Pro.	P. P	No example.
Like the P of this form somewhat narrow at the top. —	R	No example.

ROMAN TYPE IN POEMS .

### A Form

The curves of nearly equal width. -- Dig.

A heavy letter but well made; the top and base are parallel -- Pro.

#### ROMAN TYPE IN POEMS Fifth Size--Upper Case.



TI

### B Form

The curves are somewhat wide; the top narrower than the base; the letter symmetrical.
--I.M. & Dig.

The top is a thin bar with kerns of nearly equal length; the top and base are not parallel. — Pro.

### Fifth Size-Lower Case

b

d

e

f

h

i

### A Form

A broad, well-made letter; the stem rounds into a free foot. -- I.M. & Dig.

The stem is somewhat wide at the top and narrow toward the base; the loop is narrow at the top and rounds low at the base.—

The loop rounds into the stem at both point of juncture --- Pro.

Somewhat irregular; the lower part is often narrow.— I.M., Dig. & Pro.

No example

Somewhat delicate and well-made; the stem is narrow at the top and widens slightly at the base. - I.M., Dig. & Fro.

### B Form

The stem bends slightly to the left at the base and the foot turns sharply upward.—
I.M., Dig. & Pro.

No example

The loop shows a slanting line where it joins the stem. — Pro. & Dig.

A well-made letter with a light bar. -- Fro.

A well-rounded top and heavy cross-bar characterizes the letter in the <u>b</u>-form.— Dig.

The loop leaves the stem with a clear curve; the right seriph is low at the base....
Dig.

Heavy; of nearly uniform thickness throughout; the very kern prominent. -- Pro-

ROMAN TYPE III POEMS Fifth Size-Lower Case

k

1

n

р

r

### A Form

Broad and well-made although somewhat heavy --- Dig.

The stem is somewhat heavy and of nearly uniform thickness throughout.—Pro.

The first curve is wider than the second-Dig. & Pro.

Tall and somewhat heavy but well-made. - Pro. & Dig. -

Usually well-rounded and well placed. -- Dig. & Pro.

Bread; the loop is somewhat flat at the top- -I.M. & Dig-

The top shows a line at the right turning some what abruptly downwards. -- Dig. & Pro.

There are the usual long and short forms. The first shows a wide top; the curve shallow.

The short form also has wide top. The base is narrow.

### B Form

Somewhat slender and delicate; seriphs carefully placed.... I.M.

The letter is often wider at the top and narrows gradually towards the base. — Dig.

No example

The letter is often irregular having either a narrow top or uprights of different lengths.—
Pro.

The two sides are not symmetrical near the top of the letter. — Dig.

A delicate letter with the loop well rounded top and bottom. The letter occurs in the Digges' poem, line 1. It is changed by the dot to the a-form. — Dig.

The upward stroke at the right and its downward curve correspond in slope and direction as would the two sides of an isosceles triangle. -- I, M, , Dig. & Pro.

The long s has a short curve at the top and somewhat slender stem -- Dir.

The short form has the line at the top long, and appearing to follow the curve of the body of the letter. -- Pro.

#### ROMAN TYPE IN TITLES Wifth Size-Lower Case

### A Form

The letter has a wide top and a wide base that becomes nearly horizontal. I.M., Dig. & Pro.

Well-made; slender and somewhat delicate. — Dig. & Pro.

No example.



### B Form

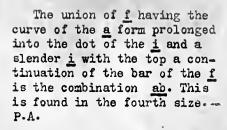
The base of this form turns soon after leaving the stem. — Dig.

The letter is somewhat heavy and slightly narrower than that of the <u>a</u> form. -- Pro.

A tall, somewhat awkward letter, wider at top than at the base. --I.M.

### Digraphs Third and Fourth Sizes

No example



The union of a long slender s having a thin top that rounds into a well curved t is the combination as -- P.A.



A

The union of a <u>c</u> having a wide curve at the base with a <u>t</u> showing almost no head above the bar and well curved at the base is the combination ba -- P-A-

No example.

No example.

The union of a long, slender s having a thin top that joins a long, narrow based t is the combination ab. — Dig.





The union of a strong well-made a with a somewhat wide based t is the combination bar P.A.



The following list contains examples of the various sizes of type to which arbitrary case numbers have been assigned for convenience.

		Name	Source		Letter	L1	ne		,	
1.	Italio	small	L. Digges Poem		at		1			
£,		capitals	11 10 10		The		2			
3.		small	"Principall Act	ors."	Richard		2 L			
4.	11	capitals	n	•	Richard		2 L			
5.	Roman	small	L. Digges Poem		Stratford		4			
6.		capitals	00 01 E0		Stratford		4			
7.	Roman	small	"Principall Act	ors."	Tragedies Ti	atle	3			
8.		capitals			Tragedies	•	3 (same	8.6	Case	12)
9.		small		•	Comedies	•	2			
10.		capitals			Comedies	•	2			
11.		small	L. Digges Peem		SHAKESPEARE		3			
12.		capitals	и и		SHAKESPEARE		3 (Same	8,8	Case	8)
13.		small.	"Principall Act	tors"	Shake speare	•	1			
14.		capitals			Shakespeare		1			

### TYPICAL LETTERS IN "I. M." POEM.

### Italio (Gase 2)

		a for	n.			b for	L.
Lett	er	Line	Word	Lette	er	Line	Word
A		5	Art	A		5	An
C		6	Can	C	Cat.	5	Comedy
E	Pro.	20	Expectation	E		1	WIER :
7	Dig.	7	Fresh	T		2	Lom
G	Pro.	1	Greece	G		2	Graves
M	Dig.	4	Moniment	M		7	Mortalitie
P	60	8	Plaudite	P	Pro.	7	Put
R	Pro.	6	Regall	R		8	Re-entrance
8	Dig.	18	Sword	8		4	Spectators
T		2	Tyring	T	Pro.	15	Their
W		3	Hoo	W		2	Worlds (dotted to make "A")

## Italic (Case 1)

	a form			b form	<u>.                                    </u>
Letter	Line	Word	Letter	Line	Word
	5	applause		4	Spectators
b	4	but	b	3	but
۵	8	Re-entrance	c	2	which
d	6	second	d	3	printed
•	1	wondred	•	1	went'st
•	Ā	forth	•	7	<u>1</u> 0
•	2	Stage		2	Tyring
h	Š.	with	<b>h</b> v_	3	thy
4		printed	4	7	Mortalitie
î	4		ī	2	Worlds
<u> </u>	0	liue	m Dig.	3	must
**	4	fren	- ×**	7	
II.	5	enter	n A	•	a <u>n</u> Worlds
•	3	worth	0		Sn a charleng
P	3	printed	P	•	Spectators
r	2	Graves	r	4	forth
	6	Jsecond.	- 1	1	<u> </u>
	2	Worlds		7	That's
•	ï	that	•	4	thy
u	3	but	u	1	tho <u>u</u>
-	i	wondred	₩	5	with
y	4	thy	y Dig.	. 2	thy (2nd)

## Italio (Case 3)

	a form			b form	
Letter	Wine	Word	Letter	Line	Word
	Title	Shakespeare	a P. A.	1 R	Samuel
•	**	Shakespeare	•	Title	Shakespeare
h	**	Shakespeare	h P. A.	6 R	Nicholas
k		Shakespeare	<b>k</b>		
P	99	Shakemeare	P		
T _a	91	Shakespeare	r P. A.	2 L	Richard
	n	Shake peare	J P. A.	8 R	Ja/eph
		Italic (Case 4	•)		
	a form			b form	
Letter	Line	Word	Letter	Line	Word
S	Title	Shakespeare	S P. A.	1 L	Shakespeare
W P. A.	5 L	William	W Title	1	Ī
		Large Reman(Ca	ase 7)		
	a form		4	b form	
Letter	Line	Word	Letter	Line	Word
•	Title	memorie	•	Title	th <u>e</u>
Í	*	01	1		***
h _		the	h P. A.	Tit. 6	these
1	•	memorie	1 P. A.	" 3	Tragedies
R	•	memorie	7A -	Title	memorie
•		To	o Cat.		Volume
r	*	memorie	r P. A.	" 3	Tragedies
t		the	t P. A.	" 3	30 <u>t</u>
		Karge Roman (C	lase 8)		
	a form			b form	
Letter	Line	Word .	Letter	Line	Word
×	Title	<u>M</u>	M		***
T Cat. Sub		HI STORIES	T	Title	To

"2. M." POEM.
Reference numbers to letters taken from other places.

No.	Letter.	Case.	Form	From	Line	Word.
1	0	7	ъ	Cat.	Tit. 3	Volume
2	T	8		Cat.	Sub-Title	HISTORIES
3	2	7	b	P. A.	Tit. 3	Tragedies
4	W	4		P. AA	5 L	William
5		3	b	P. A.	1 R	Samuel
6	$\mathcal{L}$	3 3	Ъ	P. A.	8 R	Jolaph
7	S/F	5	ъ	Dig.	9	Shake/poares
8	Æ	1	bb	Dig.	14	ad t
9	8.	2		Pro	1	Scene
10	8, T	2 3	b	Pro.	15	Their
11	<b>y</b> *	1	b	Dig.	2 .	thy(2nd)
12 -	y C	2	Ъ	Cat.	5	Comedy
18	•	1	b	Dig.	2	which
14	•	5	ъ	Dig.	4	Stratford
15	M	5 2		Dig.	4	Moniment
16	ie	1	pp	Dig.	2	1,9
17	P	2 .	<b>b</b> -	Pro.	7	Put
18	1	7	b	P. A.	Tit. 3	according
19	8	4	ъ	P. A.	11.	Shakespeare
20	r	3	b	P. A.	21.	Richard
21	E	~ 2		Pro.	20	Expectation
22	8	6	<b>&amp;</b> 't	Dig.	21	Shakespeare
23	k	5	8.	Dig.	1	Shakespeare
24 ·	r	2 6 5 2 2 3 5	<b>2</b> 71	Dig.	in g	Shakespeares
25	G	2		Pro.	1	Greece
26		1	, b	Dig.	. 3	must
27	h	3	Ъ	P. A.	6R	Nicholas
28	h		6	Dig.	• .	Shakespeares
29	•	5	ъ	Dig.	16	Iuli <u>e</u> t
30	T	2		Dig.	7	Freh
31	ie	1	ab	Dig.	5	This
32	ct	1	bb	Pro.	20	Expectation
33	1.	5		Dig.	16	Iuliet
34	R	5 2 1		Pro.	6	Regall
35	J.	1	•	Dig.	3	mu/t
36	F	1	ba	Dig.	3	ftone
37	h	7	b	P. A.	Tit6	these
38	•	7	b	P. A.	3	901
39	D	5	b	Dig	- i	Shakespeare
			_			(detted)

### Samll Roman(Case 5)

a form				b form			
Letter	Line	Word	Letter	Line	Word		
2	1	Shakespeare		1	Shakespeare		
•	1	Shakespeare	• Dig	16	Iuliet		
h	1	Shakespeare	h Dig.	9	Shakespeares		
1 Dig	. 16	Iuliet	1	7	Exit		
k Dig		Shakespeare	k	1	Shakespeare		
P .	1	Shakespeare	p Dig.	1.	SHakespeare		
r Dig	. 9	Shakespeares	r	1	Shakespeare		
	1		J Dig.	9	Shake peares		
ŧ	7	Shakespeare Exit	A Dig	4	Stratford		
×		******	×	7	Exit		

### Small Roman (Case 6)

nage.	a form		٩٠		b form	
Letter	Line	Word		Letter	Line	Word
E	- <b>7</b>	Exit ***		E		
S Dig.	21	Shakespeare		8	1	Shakespeare

### Initial Large Roman (Case 10) W --- b form.

### Italic (Case 1)

### Digraphs

Digraph	Line .	Word	Digraph	Line	Word
<u>ct</u>	5	Actors	is Dig.	3	is
ot	6	acts	<u> 1</u>	1	went 1/1
e <u>t</u>	4	Spectators	A Dig	3	must
ct Pre	20	Expectation			•
10	8	Th <u>is</u>	A Dig.	3	fone.
ie Dig	5	Th <u>i</u>	A Dig.	14	nd A
12	3	thie			

### DOTTED LETTERS

Letters which are changed to the opposite form because of the presence of one or three dots are indicated in the photographs of the alphabets by a large dot above the letter.

"I. M." POEM

line	word	letter	form	changed to
1	soone	<b>e</b>	ъ	a
2	the(lst)	h	b	a,
2	Worlds	T	b	<b>a</b>
3	thought	u	b	
3	thee	•	Ò	1
3	printed	•		b
4	thou	•	b	
4	forth	h	<b>b</b>	•
5	enter	•	b	8.
5	applause	u	b	
4	and	•	b	4
4	liue	ū		b
Ā	part	5		b
8	a (lst)			b
8	a (2nd)	- 1	8	b
Title	of	•	b	

# TYPICAL LETTERS IN L. DIGGES POEM Italic (Case 1)

	a form		Δ.	b form	
Letter	Line	Ford	Letter	Line	Word
	1	nt	a	6'	shall
b	2	Ey	ъ	3-	tombe
0	9 .	each	a	2	which
d	6	face	d	4	diasolues
•	11	Fire		6	Narbla
f	6	Lade	1	6	fellowes
g	1	length	g	11	cenkring
h	1	length	h	9	ench
1	20	reulue	1	2 5	out-live
k	2	Workes(lst)	k	5	Buoke
1	6	Marbla	1	5	eliue
100	10	redeame	23	3	must
n	11	nor	22	4	Moniment.
•	2	world	0	5	Looks
P	1	nious	P	14	aneq
<b>r</b> _	6	Marble	r	7	Posteritie
$\mathcal{J}$	18	/pake	<b>√</b>	9	Ver 6
	1	pious	E	1	fellowes
*	1	thy	t	1	length
u	5	aliue	u	1	<b>Digons</b>
*	5	wi ew	v. Pr		xoy ce
W	5	view	W	5	Ac
x Pro.	1.5	six-gated	×	20	exprest
y	1	thy	У	3	thu(2nd)

## Digraphs Italio(Case 1)

Digraph	Line	Word	Digraph	Line	Word
fi Pro.	27	firstlings.	A	12	/hall
Is Pro.	23	canfidence		<b>-</b>	6
<i>f</i> 1	20	fire	<b>f</b> h	18	Jal1
基準	8	18	M	,	200
1.9	5	This		6	Praffo
14	3	1.6	<b>*</b>	4	di //olues
74	10	shall	<b>71</b>	•	11
11	5	shall	A	5	/till
ñ	7	437			
13	8	Shall	A	3	Ny fe
,,		• n	-1		- •
√h_	6	Mall	15	3	Stone
Su.	7	Fron	Æ	14	rd t
V#			<b>7</b> //		- <b>v</b> , ,

### ITALIC (Case2)

	a form			b form	
Letter	Line	Word	Letter	Line	Word
A	7	Ages	A	11	Ago
B	21	Be	B	22	Age But
F	. 7	Fresh	r Pro	ĩ	From
	10	Here	H Pro	3	Haus
H	13	Ť	Ī	17	T
ī	22	Lawrell	ī.	9	Line
и	4	Moniment	MI. M.	7	Mortalitie
N	11	Nor	n Pro.	. 31	Now
0	12	Öf	o Pro.	5	Öf
P	7	Posteritie	p Pro.	7	Of Put
	18	Sword	5	20	Shall
B T		Thy	Ť	14	Though
Å	3	Verse	Ÿ	19	Volumes
	9			3	Workes (2nd)
•	2	Workes (1st)		A	HOLEGE (SEE)
		Roman (Cas	6 5)		
	a form			b form	
	4				11-16
Letter	Line	Word	Letter	Line	Word
	1	Shakespoure		- 11	Naso
d Pro	10	Dardin	d		Stratford
	g	Shakespeares	•	ī	SHakespeare
•			1	4	Stratford
h I. M.	1	Shakespoare	h	9	Shakespeares
4	16	Iuliet	1 I. M.		Exit
k	ī	Slinkespears	k I. M.	1	Shakespeare
1 Pro.	16	Helias	i	26	Iuliot
	18	Romans	n ·		***
n	18	Romans	n Pro.	9	Menolaus
0	16	Romeo	0	18	Romans
-	9	Shakespeares	Þ	ī	Shakespears (detted
u. D	9	Shakespeares	r	ī	Shakepsears
Ĵ	i	SHake/peare	7	-	Shake/peares
	18	Romans	Pro.	16	Chetas
i	#0 #	Stratford	1	-4	Stratford
u	1.6	Iulict	u Pro	17	Ant noomidys
	<b>4.</b> C	T			
19		Large Roman (Ca	so 14) initial S	a form	

## TYPICAL LETTERS IN L. DIGGES POEM Roman (Case 9)

Page 3.

b form a form Letters Line Word Letters Line Word Tit 2 Cat Tit. Tragedies deceased 2 o P. A. 2 deceased 2 containing 0 2 d 2 d deceased deceased d
f
h
i Cat

r
f
t the 2 2 2 2 deceased of the h P. A. 5 the 18 2 2 Comedies Vaister 2 2 P. A. 0 of Comedies 2 2 Author Cat . Histories decea Ted 2 Uat. the the Author Mai/ter Poman (Case 10) Tit 2 Author

M

### Roman (Case 7)

Maister

M

a form		b form	
Letter Line	Word	Letter Line	Word
g aignature	Digges Digges	g P. A. Tit 3 i Cat. " 3	Tregedies this
	Reman (Case 8)		
D signature L " S Tit 3	Digges L. Digges Shakespeare	D L S Cat. Sub. Tit.	HISTORIES V

#### Roman (Case 6) a form b form Letter Line Letter Line Word Word H H 1 SHakespeare I 16 Iuliet I N N 11 Naso R 18 Romans R ----8 8 Stratford 21 Shakespeare

### Roman (Case 11)

a form			b form				
Li	ne	Word	Letter	Lin	6	Word	
Tit	3	SHAKESPEARE	A	Tit	3	SHAKLOPHARE	
	3		* <b>E</b>	#	3	SHAKESPEARE	
•	R		H				
**	3		K				
		4444	R	99	3	SHAKMUPFARE	
		4 10 1A 10 10	8	11	3	SHAKESPEARE	
	Li:	Line Tit 3 * 3 * 3	Line Word  Tit 3 SHAMESPEARE  SHAMESPEARE  SHAMESPEARE  SHAMESPEARE	Line Word Letter  Tit 3 SHAKESPHARE A  SHAKESPHARE E  SHAKESPHARE H  SHAKESPHARE K  R	Line Word Letter Lin  Tit 3 SHAKESPEARE A Tit  " 3 SHAKESPEARE E #  " 3 SHAKESPEARE H  " 3 SHAKESPEARE K  R	Line Word Letter Line  Tit 3 SHAKESPHARE A Tit 3  " 3 SHAKESPHARE E # 3  " 3 SHAKESPHARE H  " 3 SHAKESPHARE K  R " 3	

### Roman (Case 14)

8.	form						b for	
Letter	Lin	811	Word	Lett	ΘX.	Li	10	Word
E	Tit	1	MEMORIE	, E		Tit	1	THE
н	99	1	THE	H				
I	Ħ	1	MEMORIE	I				-
N	11	1	MEMORIE	H		10	1	LEMORIE
0	23	1	TO	C				
R	99	1	HEMORIE	R				-
T	19	1	TO	T		48	1	THE

L. DIGGES POEM

## Reference numbers to letters taken from other places

No.	Letter	Cane	Form	From	Line	Word
1		9	b	Cat Tit	2	
2	•	•	b	P. A. "	2	Tragedies
3	h	9	b	P. A.		centrining
4	1	9	4	Cat	. 5 . 2	the
5	•	9	b			Comodies
6	8	8	b	A . /L.	. <b>3</b>	Comedies
7		7	b		Sub tit	HISTORIES
-8	4	7		P. A.	3	Tragedies
9	7	5	Ъ	Cat "	3	this
10			<b>a</b> :	Pro	16	Dardan
ii	4	5	8.	I. M.	1	Shakespeare
12		5	b	I. M.	7	Exit
13	*	3	<b>b</b> .	I. M.	ì	Shakespeare
14		5	8.	Pre	16	Helias
25	n n	5	ъ	Pro	9	Menelaus
16		5	b	Pro	16	Chetas
17	u	. 5	Ъ	Pro	. 17	Antenomidus
	<b>y</b>	8	ъ	Pro	1	From
18	H	2	Ъ	Pro	3	ilaue
19	, <b>M</b>	2	Ъ	I. M.	7	Mortalitie
20	H	2	ь	Pro	31	
21	0.	2.	b	Pro	5	How
22	P	2	b	Pre	ž	Of Dual
23	*	1	b	Pro	24	Put
24	x	ì	20	Pro	15	Anace
25	fà	1.	AA.	Pro		six gated
26	fi	1	ab	210	27	firstlings
27	*	-	b	The state of the s	23	confidence
28				Cat	2	Histories
		7	þ	Cat	2	the

TYPICAL LETTERS IN "The Prologue."
Small Italia. (Case 1)

a :	torm			b form	
Lotter	Line	Word	Letter	Line	Word
	12	Barke		6	Regall
b	24	but	b	15	braue
G	3	Princes	0	23	confidence
d	9	rauish'd	d	10	and
•	25	like		14	yet
1	3	20	2	6	from
g	2	Orgillous	g	28	Beginning
h	7	the	h	4	with
	20	tickling	4	Ā	with
k .	14	Greekes	k	- 8	ransacke
1	26	Peholders	` ` <b>ī</b>	23	Prologue
100	4	ministers	III.	6	from
13	10	wanton	n	13	now
0	8	whose	ō	6	Greenets
P	30	pleasures	P		
	12	there	*	19	thei <u>r</u>
7		vnbrut/ed			who/e
	14	Grownsta		8	set <u>s</u>
t	6	the		32	Authors
u	3			24	
u.	13	Trautage	u	24	but
	14	ynbrui sed	¥	24	yoyce
*	4	with		12	deep-drawing
×	15	six-gated	<b>X</b>	5	Sixty
y	24	AOACO	y	11	they
8		***************		22	Hagard
		Digraphs.	(Case 1)		<b>.</b>
Digraph	Line	Word	Digraph	Line	Word
11	30		Se	18	Correspondiue
<u>6</u>	24	Actors			
	6	Agto "	12	20	/pirits
ct K. M.	4	Speciators	S. A. A. R. A.		
ot	20	Espectation	14	27	fir/tlings
H	27	firstlings			
77	23	confidence	<b>A</b>	8	Arong
2	. 30	finde	-,'	*	-1
I a	7		/4	33	<b>Starting</b>
10	31	114	1-	~	
is Diggos	. 9	14	A.	4	in/truments
ot K. M. ot is Diggos is Diggos	3	ig			II.
11			us Cat.	25	Coriolanus
	20	skitti/h			I The same of the same of
So			110	3	Orgillous
<u>F</u>					Ond He was
<u>A</u>			y <u>a</u>		0
Sh.	3	Jhippes.	us Cat.	26	0
Andrigges	3				Titus

### Italic capitals. (Case 2)

	a form			b	form	
Letter	Line	Word	Letter		Line	Word.
A	22	And	A		17	And
3	13	Barke	B	*	26	Beholders
C	6	Fromets	C	Cat.	5	Comedy
D ·	13	Dardan	D	Cat.	23	Death
E	20	Expectation	E	I.H.	1	WEIS
7	4	Fraught	r		1	From
G	1	Greece	G		21	Greeke
H Digg	os 10	Here	H		3	Haue
1	" <b>1</b>	Iles	I		25	<b>L</b> n
L	27	Leapes	L		30	Like
M	20	Now :	N		31	Now
0	2	Orgilleus	0		5	O.
P	7	Phrygia	P		7	Put
Q	. 9	Queene	Q		10	Quarrell
R	6	Regall	R	I. H.	8	Re-entrance
8	1	Scene	S		5	Sixty
T	2	The	T		15	Their
T	10	With			5 .	Tarre

### Small Roman small (Case 5)

	a form		b	form	
Letter	Line	Word	Letter	Line	Word
	16	Chetas		16	Heligs
b	16	Timbria	ъ		
d	16	Dar <u>d</u> an	d	17	Antenoni <u>d</u> us
•	16	Treien		11	Tenedos
h	16	Chetas	h Digges	9	Shakespeares
1	16	Helias	1	16	Timbria
ī	16	Helias	ĩ	26 9	Menclaus
	16	Timbria	<b>12</b>	-	*****
	•	Helen	n	9	Monelaus
•	16	Troien	o Digges	18	Romans
r	15	Priams	T	10	Paris
	10	Paria Paria		16	Chetas
4	16	Chetas	t Digges	4	Stratford
T p	9	Menelaus	u	17	Ant enoni dus

#### Small Roman Capitals (Case 6).

			•		
	a form		b.	form	. , , k
Letter	Line	Word	Letter	Line	Word.
A	••		<b>A</b>	17	Antemonidus
C	16	Chetas	C		
C D M	16	Dardan	D	••	****
Ħ	-		H	1.6	Holins
H P T	9	<b>Henelaus</b>	, N		
P	10	Paris	P	-	
T	16	Timbria	7	16	Troion
***	4	Large Roma	n Letters. (In T	itle)	*
		(c	ass 13)		
•	a form		ъ	form	
Letter.	Line	Word	Letter	Line	Word

Line	Word	Letter	Line	Word
Title	Prologue	•	Title	The
**	Prologue	g		***
		h P. A.	Title 1	Shakospeare
		1	-	
. 10		0	Title	Prologue
Mtle 1	Shakespeare		10	Prologue
itle	Prologue	u	******	**********
	Title	Title Prologue Prologue The Prologue Prologue Frologue State 1 Shakespeare	Title Prologue e Prologue g The h P. A. Prologue l Prologue o Title 1 Shakespeare r	Title Prologue e Title Prologue g The h P. A. Title 1 Prologue 1 Prologue o Title Title 1 Shakespeare

### Large Roman Capitals (In Title) (Case 14)

	a form				
Letter	Line	Word	Letter	Line	Word
P	Title	Prologue	P		****
T	99	The	7		***

Large Roman Initial I line lass & form

"THE PROLOGUE."

Reference numbers to letters taken from other places.

No.	Letter	Case.	Form	From	Line	Word.
1	C	2	ъ	Cat	5	Comedy
2	D	2	Ъ	Cat.	23	Death
3	E	2	ъ	I. M.	1	WEE
4	H	2		Dig.	10	Here
5	R	2	ъ	E. Mr	8	Re-entrance
6	ct .	1	ab	I. M.	6	Acte
7	ot	1	ba	I. M.	4	Spectators
8	is	1	ba	Dig.	9	10
•	is	1	bb	Dig.	3	10
10	/h	1	bb	Dig.	13	hall
11	us	1	88	Cat.	25	Coriolanus
12	us.	1	bb	Cat.	26	Titus
14	h	5	ъ	Dig.	9	Shakespeares
16	•	5	ъ	Dig.	18	Romans
17	•	5	ъ	Dig.	4	Stratford
18	h	13	ъ	P. A. 7	114. 1	Shakespeare
19	r	13	a	P. A.	" 1	Shakespeare

### TYPICAL LETTERS IN "A CATALOGVE"

### Italic Capitals (Case 2)

8.	form	b form

Letter	Line	Word	Letter	Line	Word ,
A	26	Androni cus	1 Pro	17	And
B Pre	12	Barke	В	35	Britaine
G	29	Cassar	C	5	Comedy
D	15	Death	D	23	Death
E	5	Errours	E	13	Ends
7	17	FirA	T	20	Fir/t
G	2	Gentlemen	G Pro	21	Gracks
H ·	19	Henry	H	24	Henry
I Pro		Iles	I	27	Iuliet
K	15	King	K	32	King
L	29	wife ;	L	32	Lear
M ~	9	Merchant	M	33	Moore
N	13	Night	N Pro	31	Now
0 Pro	2	Orgillous	0	83	Othelle
R	16	Richard	. R I.N	1. 8	Re-entrance
8	11	Shrew	8 Pre	5	Sixty
T	23	Taming	T	17	The
Y	33	Venice 's 's	V Dig	19	Volumes
W	3	Wives	W	3	Windsor
ė.	16	I	<b>A</b>		rend-myland

# ITALIC SMALL (Case 1)

	a form		b	form		
Latter	Line	Word	Letter	Line	Word	
		Lear	8.	18	what	
b	30	Macbeth	b Pro.	15	braue	
c	18	Second	0	33	Venice	-
d	31	Pragody	₫ સ્	12	Ende	
	30 ;	Macbeth	•	28	Athens	
f.	21	01	1	18	. o <u>f</u>	
	11	Taming		19	King	
g h	- 33	Othelle	h	13	night	
A.	19	L1f9	4 "	35	Britaine	
1	10	Like	k Pro	8	ransacke	
1	' 33	Dthello	1	14	Tale	
	28	Memore		22	Taming	
20.	21	Timen	n	21	Second	30
n	35	Henry	0	16	- <u>o</u> f	
•	22	<u>o</u> f	p ~	34	Cleopater	
P	34	part	r		Noore	
T.	3	Cleopater		33		
	10	Mind/or	•	29	Cae/ar	
•	11	Ag		18	Ends	
t	29	the	u	28	Athens	
u	13	Juli <u>u</u> s		5	Errours	
W Done	15	what		2	t <b>y</b> o	
x Pro		six-gated	×	22	Sigt	
y	17	Henry	y	34	Anthony	

### Medium Roman Small (Case 9)

	a f	o rm			ъ	form	
Letter	Lin	8	Word	Letter	Li	ne	Word
	Tit.	2	souerall	d.	Tit	2	Tragedies
d	11	2	and	d	24	2	Comedies
•	99	2	the	•	99	2	Histories
1	19	2	of	1	10	•	-
h	199	2	of the	hP. A.	99	5	the
1	10	2	Comedies	1	**	2	Histories
1 P.	A. "	5 2	all	1	n .	. 2	seurall
222	19	2	Comedi es	m P. A.	14	2	Comedies
nP.	A. H	5	Principall '	n	13	2	and
•	99	2	Comedi es	o P. A.	27	2	Comedies
r.	- 4	2	sourall	r	11	2	Hi stories
<b>S</b>	58	2	/earall	<b>√</b>	4	4-	-
	н, ,	2	Comedies .	. P. A.	19 2	4	Gomedies
t Di	g ""	2	the	t	14	2	the
u	*	-		u	18	2	seurall

# Medium Reman Capitals (Case 10)

	a form	3		b form	
Letter	Line	Word	Letter	Line	Word
C	Tit.2	Comedies	C		.d •
H	n 2	Histories	H		no bili
T	H 2	Tragedies	T	toks	6444

### Small Roman Small (Case 7)

	a f	orm	76 ·	. `				b for	en '	
Letter	L	ine	Word	· •	Lett	er	1	Line		Word
	Tit	3	contained		a					***
6	3 99	3	contained	•	0	P.	A .	Tit	3	according
d		3	contained		d			, 17	3	Tragedies
•	"	3	Tragedies					М	3	contained
	16	3	Tragedies		g	P.	A.	19	3	Tragedies
h	H	3	this		h		A.	99	3	these
4	19	3	in		i			11	3	this
ī	16	3	Velume		1	P.	A.	19	3	Truely
	5 " " d	3	Volume		200		14.		1	memorie
1	**	3	contained		n			99	3	in
	H c	-	contained		0			90	3	Volume
	11	3	this			P.	Α.	**	3	Tragedies
t	H	3	this		t		A.	11	3	set
u	, , , , , , , , , , , , , , , , , , ,	3	Volume		u			-		100.00

# TYPICAL LETTERS IN "A CATALOGVE" Page 3 Small Reman Capitals (Case8)

a form			b form				
1 etter	Line	Word	Letter	Line	Word		
A	Sub-title	TRAGEDIES	A	-	-		
C	H		O	Sub-title	COMEDIES		
D	11	TRAGEDIES	D				
E		COMEDIES	E		COMEDIES		
G	11	TRAGEDIES	G		***		
H	ĸ	HISTORIES	H		-		
I	н	COMEDIES	I				
M	11	COMEDIES	и	*			
0	H	HISTORIES	0		CONSDIES		
R		HISTORIES	R	H	TRAGEDIES		
8 Dig.	Title 3	SHAKESPEARE	8		HISTORIES		
T	Sub-title.	HISTORIES	T		-		
4	Title 3	Yolume	V		~		

### Large Roman Capitals. (Case 15)

a form

Letter	Line			Word ·	Letter	Line		Word
A	Title	1	•	<b>A</b>	A	Title	1	CATALOGVE
C					C		1	CAPALOGVE
E	že.				E	**	1	CATALOGVE
G	19	1	ā	CATALOGYE	G	4		
L	٠		•	-	L		1	CATALOGVE
0	r 90	1		CATALOGVE '	0			***
T					T	**	1	CATALOGVE
V				w . ,	Y	•	1	CATALOGYE

b form

	· ·		Digraphs		
Small Its	dic (Cas	e 1)		Medium Roman	Small (Case 9)
d1-	~		di-		
graph	Line	Word	graph		Word
graph	17	Fir <u>f</u>	Æ	Title 2	Hi/cories
<u>A</u>	20	First	Large	Roman initial T	
A Pro.	28	Aarting		no	b form
J	1	Temps/			
us	25	Coriolanus	A.	Diphthong in Cassar Line 29	
u <u>s</u>	29	Julius			
11	26	Titus			
st //	7	Lost			

"A CATALOGVE"

Reference numbers to letters taken from other places.

No.	Lettor	Case	Form	From & Line	Word
1	h	9	ъ	P. A. Tit. 5	t <u>h</u> e
2	1	9		P. A. " 5	v <u>i</u> ji
3		9	b	P. A. : " 2	Comedies
4	n	Ģ		P. A. " 5	Psincipall
5	8	8	a	Dig. " 3	
6	8	7	ď	P. A. " 3	
7	***	7	ъ	P. A. " 3	Tragedies
8	8 1	7	ъ	P. A. " 3	Truely
9	m	7	ď	I. M. " 1	memorie
10	Ā		b	Pro : 17	And
11	В	2	a	Pro 12	Barke
12	G-	2	ď	Pro 21	Greeke
13	I	2 2 2 2	. a	Pro 1	
14	N	2	Ъ	Pre 31	Mow
15	0	2 .	a	Pro 2	
16	R	2	Ъ	I. M. 8	Re-entrance
17	. 5	2 2	ъ	Pro.	
18	V	2	b	Dig. 19	
19	ъ	. 1	b	Pro 15	braue
20	k	1	b	Pro 8	ransacke
21	₹.	1		Pro 19	
22	Â	1	ba	Pro 26	tarting
23		9	, <b>b</b>	P. A. Tit	
24	•	9	ъ	P. A. *	Gemedies
25	4	9	a	dig Tip	the
26	h	7	· b	P. A. Tit	these
27	8	7 .	ъ	P. A. "	Playes
28	t	7	b	P. A. "	set

# TYPICAL LETTERS IN "PRINCIPALL ACTORS."

### Italic (Case 3)

	a form			b form	
Letter	Line	Word	Letter	Line	Word
a	12R	Shancke		, 1R	Samuel
ъ	2L	Burbadge	b	2R	Robert
C	11R	Richard	G	12R	Shancke
d	9R	Benfield	d	21	Ri chard
•	12L	Samuel	•	5R	Underwood
g	21	Burbadge	g	71.	George
h	10L	Richard	h	5R	Jo <u>h</u> n
1	10L	Richard	1	2L	Richard
k	11	Shakespeare	k	13L	Cooke
1	6R	Ni cholas	1	10 1	Cowly
10	11.	William	m	7R	William
n	AL	Augustine	n	4R	Nathan
•	9R	Robert	0	6R	Nicholas
P	8R	Jo seph	P	5L	Kampt
r	9R	Robert	r	21.	Burbadge
<b>S</b>	11R	Robin on	<b>S</b>	8R	Jo/eph
	3L	Hemmings			
4	5L	Kempt	t	4R	Nathan
u	1R	Samuel	u	21.	Burbagge
W	111	Logine	×	131.	Alexander
y	71.	Bryan	y	9L	al ye

# Digraphe Italio (Case 3)

Digraph	Line	Word	Digraph	Line	Word
8.6	6L	Thomas	√p	1L	Shake pears
92	6R	Ni cholag	SI	121	Cro//e
<u> 11</u>	9R	Benfield	Æ	<b>7</b> R	Recle/tone
11	3R	William	A	41.	Augu/time
11	9L	William	R	3R	O/tler
72	121	Samuell		Roman(case	7)
11	8L	Condell.	£1,	Tit.3	<u>first</u>
			11	и 6	a)Z
			A	* 3	firA
			-		-

	a form			b form	
Letter	Line	Word	Letter	Line	Word
	Tit.6	Playes			******
	n 3	according		Tit. 3	according
d	" 3	Tragedies	8		
•	" 3	1 Lagaryan	•	" 3	according
•	" 3	Truely	1	" 6	these
& Cot.	" 3	forth	g		
h Car.	" 3	-gedies	h:	" 3	according
1	" 3	forth	1	•	these
ī	" 6	Tragedies	î	. 3	according
n	" 3.	Playes		* 8	Trucly
•	" 3	according	n	" 6	in
	." 3.	eccording	0	* 3	t <u>o</u>
*		first	r _o	" 8	Tragedies
		√e <b>T</b>			********
•		Tragediog		" 3	Playes
4	" 3	their	t	" 3	set
u	" 3	Truely	u		
y	" 6	Playes	y	<b>#</b> 1,	***
		Small Re	man (Case 8)		
	a form		•	b form	
Letter	Line	Word	Letter	Line	Word
P	Tit 6	Playes	P		****
T	* 3	Truely	T		********
		Ital	10 (Case 4)		
	a form			b form	
Letter	Line	Word	Letter	Line	Word
A	2R	Armin	A		*******
В	M.	Burbadge	B	71.	Bryan
C	10L	Cowly	C	81.	Condell
E		****	E	7R	Ecclestone
7	4R	Pield	7		***
O		****	G	102	<u>O</u> ough
Ħ	31.	Hemmings	H	81	Henry
ï	3L	John	I	11.	William
Ř		20	ĸ	51.	Kempt
î	111	Lowine	Ĺ	4R	Nathan
		E	67		Target a series

### Italic (Case 4) Continued.

a form	b form	
Letter Line O 3R P 6L R 2R	Word Letter Line Ostler O Poope P Robert R A Shanoke S 1L	Word  Richard
S 12R T 6R U 5R W 9L	Tooley Y 9R Underwood U WI. M. Nit 1	Shekespeare Taykor
a form	Italic (Case 2)	
Letter Line A Tit. 4 G " 4 I # 4 L Pro 30 N " 4 O Pro 2 R " 4	Word Letter Line ORIGINALL A Dig. 11 ORIGINALL G Pro 31 ORIGINALL I Pro. 1 Like (reversed) Tit 4 ORIGINALL N Pro 31 Orgillous O Tit 4 ORIGINALL R D.N. 8	Word Age Greeke Lles (reversed) * GRIGINALL Now CRIGINALL Re-entrance
a form	, part of the form	

Letter	Line	Word	↑ Letter	Lin	•	broW
47	Titl	Shakespeare	8	Tit.	1	Shakespeare
• ,	P 4 1	The	6	, <b>0</b> ,	1	Shakespeare
1	n 1	0.5	ſ			
h	n. 1	The	. h	, p#	1	Shakespeare
1	* 1	William	1	*	1	William
k	e: 1	Workes	k	**	1 2	Shakespeare
1	16 <b>1</b>	William	1			****
23	" <b>1</b>	William	m			******
0	n 1	Workes	0	**	1	2.2
p		-	D	42	1	Shakespeare
7	" 1	Shakespeare		11,5	1	Workes
1	n 1	Shake peare		1.7		
•	" 1	Horken	•			

Initial Roman W. Lime 11 --- a form

^{*} Word (reversed) indicated that in the source from which letter was taken it is of the opposite class.

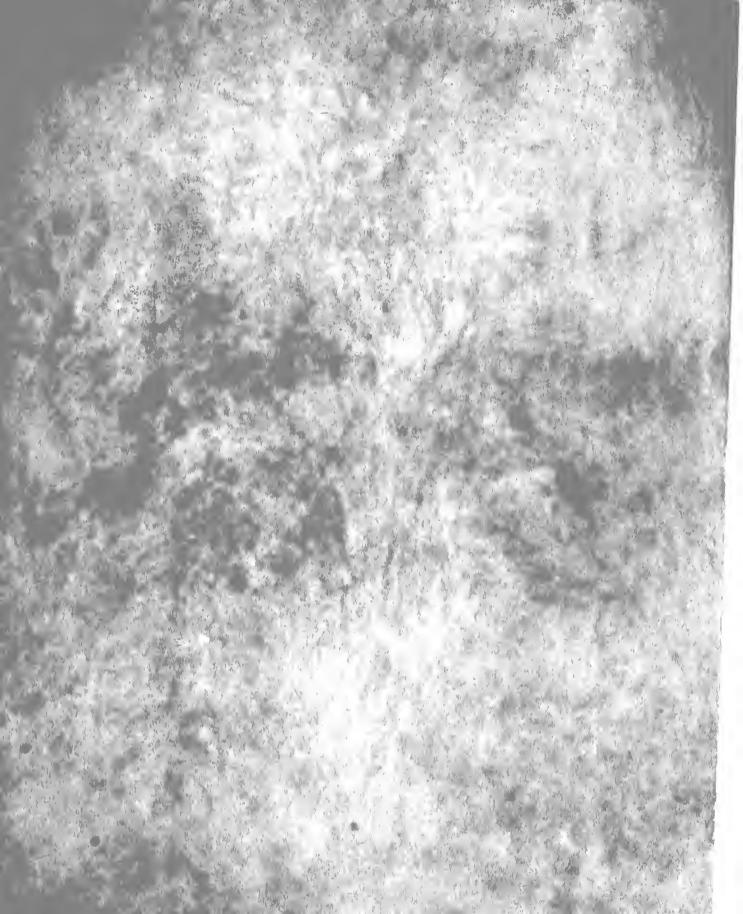
			24		
	a form			b form	
Letter	Line	Word	Letter	Line	Word
8	Titl	Shakespeare	5	~ <b>_</b>	
g g	W 1	The	Ť		****
Z	" 1	Horkes	ŵ .·	Tit. 1	William .
	A	101700		770. T	Wryrram.
		Medium Re	man (Case 9)		
	a form	1,000,000		b form	2 Y
Letter .	Line -	Word	Letter	Line	" Word
	Tit. 2	A11		Tit. 2	and
c Dig		deceased	<u>a</u>	" 2	containing
d	" 2	and	, d	" 3	Comedies
	7 2	Histories		" 5	Namos
•	11 5	20	1		
g	_	****	g	" 2	containing
h	18 5 2	his	<b>h</b> ,	. " 5	the
i		his	1 (	3	Histories
	2 2	Comedies	24		* Names
n .	5	Principal1	7.	W 2	4.00
		costaining	<b>3</b>	H 2	and
1000			4 0 · / / ·		Comedies
P	. ^N 5	Principall:	P	*	**********
P	•	Histories	r Cat.	3	Histories
A 204		Actors	**************************************	2	. Histories
\$ Dig	" 2	the		" 3	the
		To fig	, A		
		Digraphs	Medium Romaz	(Case 9)	49
Digraph	Line	Word	Digraph	1./Idne	Word
-	Tit 5	Actors		Tit. 2	
, oth	1,500	70001	77,	*****	413
11 🖔	# <b>5</b>	Principall	A		Hi/tories
<b>46</b> 15		· * * THOT have	,	že že	1-
•		Medium Rom	an (case 10)	10 de	
		•			
16	. a form			b form	
			1		
Letter	bine	Word	Letter	Line	Word
A	Tit 5	Actors	A		****
Č	" 2	Comedias	C.		****
H		Histories	n		
Ñ		Hauson	N		****
P	•	-	P	Tit. 5	Principall
T	и 5	The	T		***

"PRINCIPALL ACTORS."

Reference numbers to letters taken from other places.

No.	Letter	Case	Form	From	Line	Word.
1	r	9	ъ	Cat. Tit.	2	Histories
2	•	9		Dig. "	2	1he
8	g	7		Cat "	3	-gedies
4	. E	4.	b	I. W.	Title	T
5	A	2	b	Dig.	11	Age
6	C	2	b	Pro.	21	Orocke (reversed)*
7	I.	. 2	<b>b</b> .	Pro.	1	Des "
8	1,	2	<b>A</b> .	Pro.	30	Like *
9	K	2	ь	Pro.	81,	Now
10	0	2		Pro.	2	Orgillous
11	R	2	b	B. H.	8	Re-entrance
12	0	9	4	Dig. Tit.	2	degeased

^{*} Word (reversed) indicates that in the source from which the letter was taken it is of the opposite class.











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*			
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	11-77	

